

EXHIBIT 22

Message

From: Dave Steinberger [dave.steinberger@advertiserperceptions.com]
Sent: 4/30/2018 6:51:38 PM
To: Alex Shellhammer [ashellhammer@google.com]
CC: Kevin Mannion [kevin.mannion@advertiserperceptions.com]; Yamini Gupta [yaminigupta@google.com]; Gabe Bender [benderg@google.com]; Barbara Leung [barbara.leung@advertiserperceptions.com]
Subject: Re: SSP Report update
Attachments: 2018 SSP for Google 001.pdf

Hi Alex,

As requested, attached you'll find the SSP research we recently presented to Gabe. To summarize the key findings:

Competitive landscape

- Surprising to see Yahoo/Brightroll's leadership across the funnel metrics
 - Publishers are the most familiar with Yahoo/BrightRoll, above Google
 - Past SSP usage: Yahoo sizeable lead over others, including DoubleClick
 - 2018 consideration: Yahoo ahead of Google and others, but many are in the race
 - 2018 intention: DoubleClick among tight pack of leaders
 - If publishers could choose only 1 SSP, Yahoo would lead Google

DoubleClick Ad Exchange vs. other SSPs

- Among market and business selection criteria, PMP capabilities are the most important
 - DoubleClick trailing in all key criteria
 - DoubleClick average in auctions, leading in brand momentum
 - Not surprisingly, DoubleClick trails in sub-syndication
- What tech criteria are key to driving intention? 3rd party integration and ad placement auditing tools
 - DoubleClick in tight race for lead in 3rd party integrations
- Among technology criteria, publishers care most about measuring creative across devices, reporting, and KPI analytics
 - Google typically seen as a leader in campaign analytics & measurement, DoubleClick uncharacteristically trails in all reporting/analytics criteria

As Kevin mentioned, moving forward we're going to rebalance the respondent pool to prioritize on publishers with revenue or ad/sales operations responsibilities. There will be other adjustments as well and we may reach out for input as we continue the fine-tuning for the next wave of our SSP report.

Best,
 Dave

On Mon, Apr 30, 2018 at 9:03 AM, Alex Shellhammer <ashellhammer@google.com> wrote:
 +Yamini

Hi Kevin,

Thank you for the update, and I wish I could have made the meeting. I got caught up in an urgent project.

Is there any way I could see a summary of the findings of the initial wave. I understand that you want to recalibrate the respondent list, but I'd be interested to see the results.

Thanks again,
Alex

Alex Shellhammer	Product Marketing Manager	ashellhammer@google.com	212-565-5565
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On Tue, Apr 24, 2018 at 2:12 PM, Kevin Mannion <kevin.mannion@advertiserperceptions.com> wrote:
Hi Gabe, Alex,

When we met with Gabe, we noticed a few surprising findings (the prominence of Yahoo for Publishers, for example). Based feedback from you and other clients and on our analysis of the SSP findings, we see a need to recalibrate our respondent profile for the SSP Report. We believe we over-indexed on marketers and under-indexed on ops at the publishers we surveyed. The right mix going forward will be balanced between publishers with revenue or ops responsibilities.

We will look at the current wave of SSP as a preliminary set of findings and the June wave as our official Wave 1. Good news for you: you will have full access to the new wave 1 and the December wave 3.

We are therefore offering you and our other clients a gratis wave. No one asked us to do this, but, as our goal is to provide fully actionable insights, we see a need to make adjustments to deliver on that promise. Let us know your thoughts!

Best,
Kevin

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--
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Methodology and respondent profile

Representing Top 500 U.S. Websites	Leading Site Categories	700+ Key Decision Makers
<div> USA TODAY <i>The New York Times</i></div> <div> ebay cafe media yelp</div> <div> meredith BuzzFeed HEARST</div> <div> The Weather Channel CBS Interactive WSJ</div> <div> tripadvisor CONDÉ NAST</div> <div> Disney Vox Expedia</div> <div>NBCUniversal BUSINESS INSIDER</div> <div><i>The Washington Post</i> ESPN turner</div> <div>Walmart WebMD VICE</div>	<ul style="list-style-type: none">• Apparel• Auto• Beauty/toiletries• Business• Culture• Directory• Finance• Food• Health and/or fitness• How-to/Informational• Local• Movies/Mass Entertainment• News• Political• Print-associated/legacy• Real estate• Retail• Social• Sports• Travel• TV-associated• Weather	<ul style="list-style-type: none">• Sample: Digital Publisher contacts from The Advertiser Perceptions Media Decision Maker Database and third-party databases as needed.• Main Qualification: Work for a digital publisher and involved in the selling of programmatic ad inventory.• Fielded: January 2018• Incentives include cash & data <div><div>Respondents totals:<ul style="list-style-type: none">• N=165 SSP Report</div><div><div>Ranging in title:<ul style="list-style-type: none">• 30% Executive• 42% Marketing• 19% Sales• 8% Operations</div><div>Average Unique Monthly Visitors:<ul style="list-style-type: none">• 21.9 Million</div></div></div>

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Respondent profile by website visitation

Number of Unique Visitors Received Across Digital Properties in the Last Month	
3 MM to 5 MM	13%
5 MM to 10 MM	27%
10 MM to 20 MM	16%
20 MM to 40 MM	27%
40 MM+	17%
Mean	21.9 MM

	Unique Monthly Visitors	
	3 million to less than 15 million	15 million or more
Department / Job Title		
Executive (CEO, CFO, COO, CTO)	39%	22%
Marketing (CMO to Manager)	35%	48%
Sales (CRO to Manager)	15%	24%
Operations (COO to Manager)	11%	6%
Sell-Side Advertising Experience		
Average # of Years	8.7	9.8
Programmatic Experience		
Average # of Years	3.8	4.3
Allocate Inventory to SSPs		
	100%	100%

Q: Approximately how many unique visitors did you receive across your digital properties in the last month?
Base: Total Digital Publisher Respondents

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Nearly half the publishers see themselves as leaders in programmatic

Company's Programmatic Usage and Embrace



Q: As a publisher, how would you describe your company's embrace of programmatic?
Base: Total Digital Publisher Respondents

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Publishers see their inventory shifting to 60% programmatic



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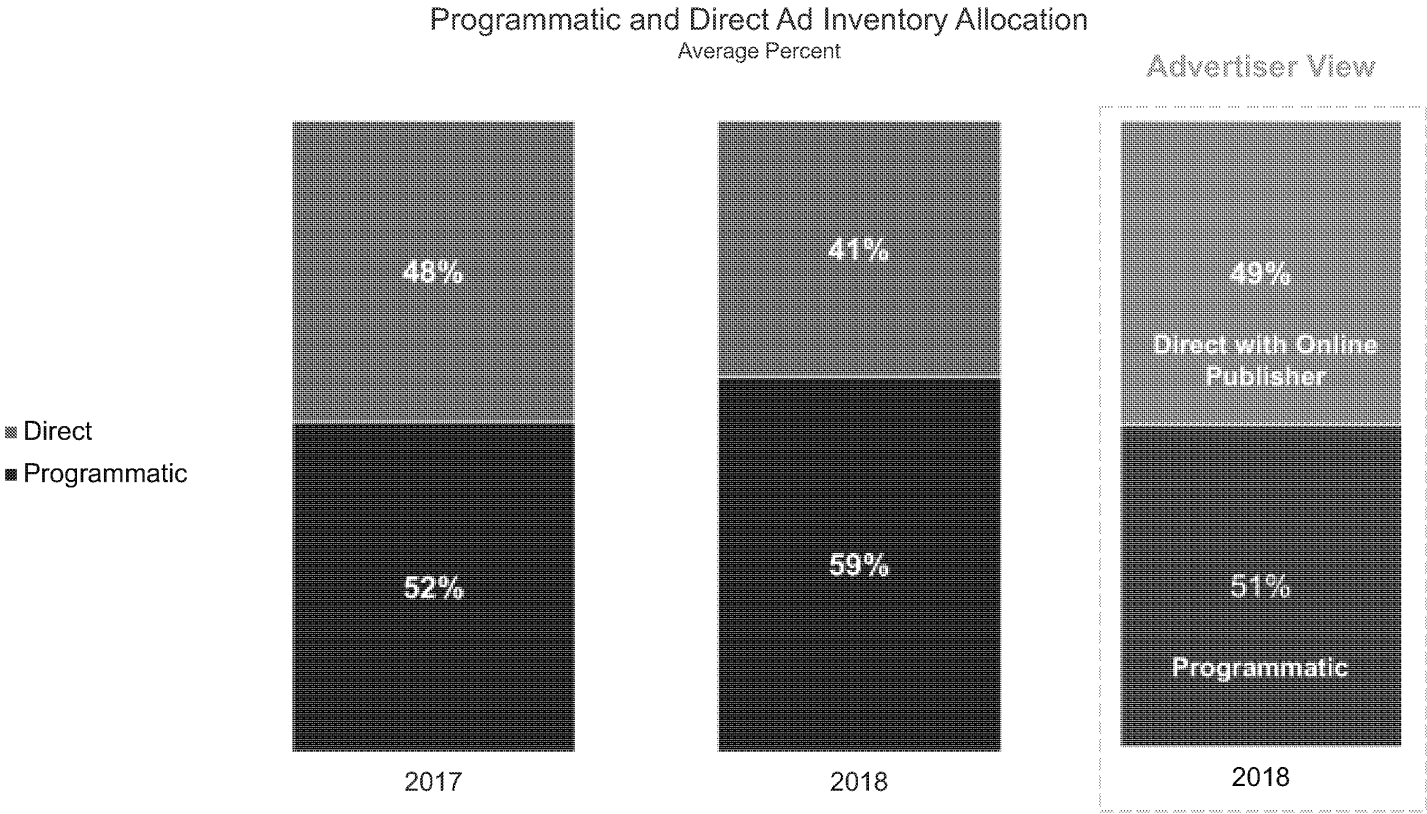
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Q: What percent of your digital/mobile ad inventory went to each last year (2016)? How much are you currently allocating to each this year (2017)? How do you expect your inventory to be allocated next year (2018)?
Base: Total Digital Publisher Respondents



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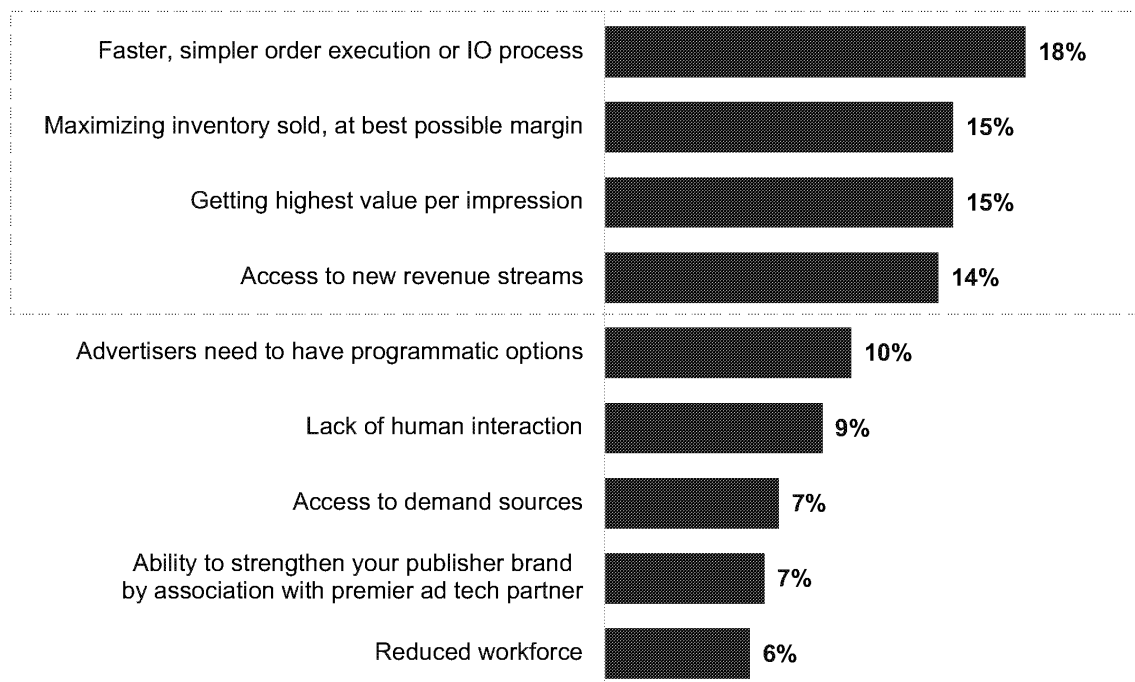
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What's the promise of programmatic? Efficiency, improving margins, new revenue streams

Top Issues Programmatic Helps Solve for Publishers
Percent of Respondents *Ranking #1*



Q: Please rank the top three issues that programmatic helps solve for publishers.
Base: Total Digital Publisher Respondents

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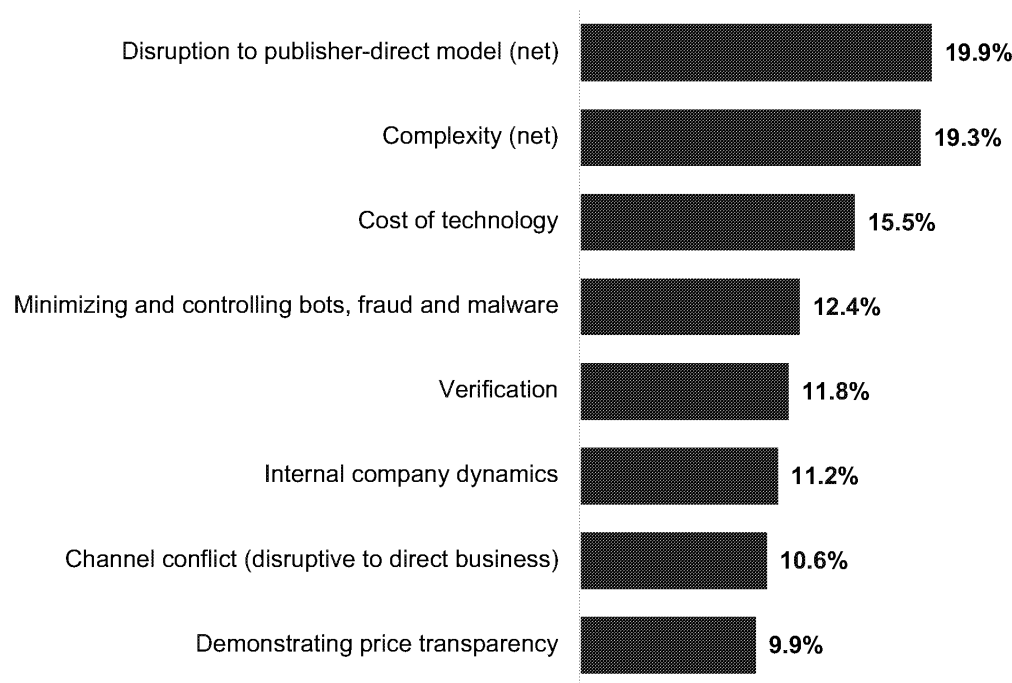
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Roadblocks? Disruption to legacy publisher model, complexity

Top Three Factors Limiting an Even Greater Share of Inventory Allocation toward Programmatic:
Percent of Respondents *Ranking* #1



Disruption to publisher-direct model (net) is comprised of:

- Diminishing publisher margins on impressions sold
- Channel conflict (disruptive to direct business)

Complexity (net) is comprised of:

- Complexity of technology
- Requires talent and knowledge to get it off the ground

Q: Please rank the top three factors that limit an even greater share of your inventory allocation toward programmatic.
Base: Total Digital Publisher Respondents

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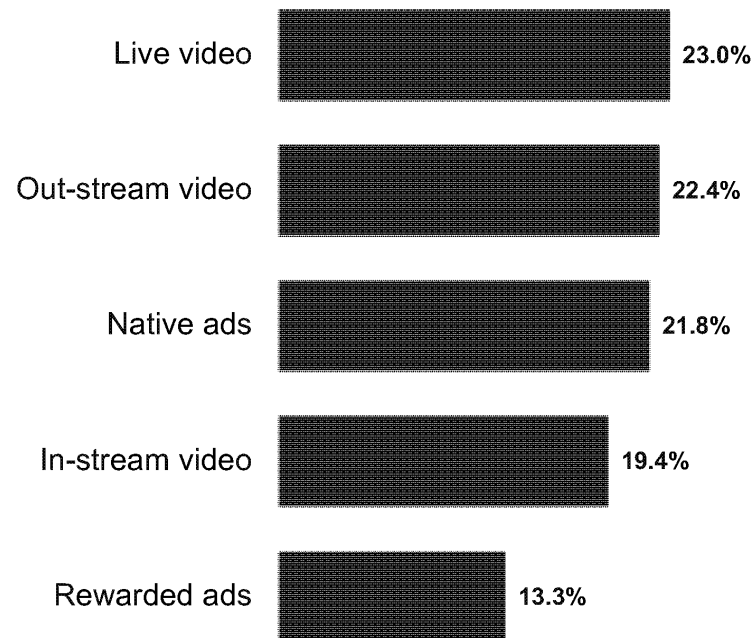
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Most important ad formats SSPs need to support: video streaming variations and native

Ad Formats in Order of Importance for SSP to Support
Percent of Respondents *Ranking #1*



Q: How would you rank the following ad formats in order of importance for your SSP to support?
Base: Total Digital Publisher Respondents

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How can SSPs make the ad world a (brand) safer place?

Importance of SSP Providing Brand Safety Features
Percent of Respondents Rating 5 "Very Important"

Rank	Safety Features	Rating 5 "Very Important"
1	Prevents counterfeit inventory by using ads.txt	55%
2	Enables you to adhere to the Coalition for Better Ads, Better Ads Standards	54%
3	Technology to block botnet or other fraudulent traffic	52%
4	Ability to troubleshoot bad ads on your account	48%
5	Technology for publishers to block sensitive categories of ads (e.g. Alcohol, Pharma, COPPA, etc.)	46%
6	Supports AMP ads	41%

Q: How important is it that your SSP provide the following brand safety features? (1-Not at all Important, 5-Very Important)
Base: Total Digital Publisher Respondents

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Header Bidding



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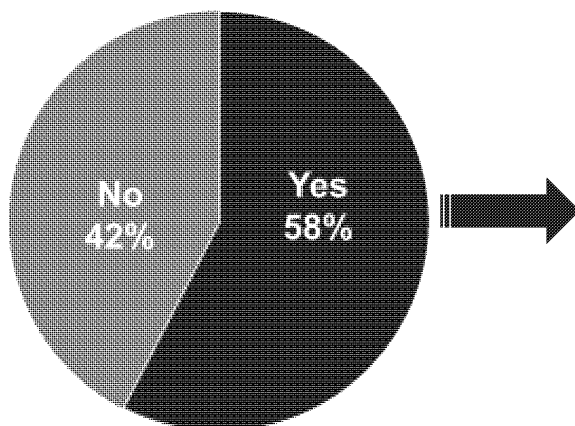
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Demand-side view of header bidding: most are familiar, see it as a benefit

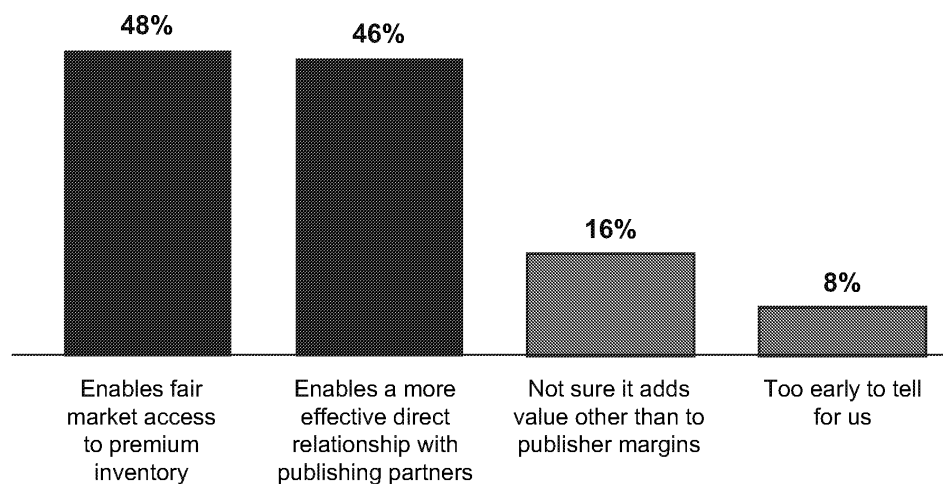
Are you familiar with header bidding?

Percent of Respondents (Buyers)



What is the value of header bidding for your advertising campaigns?

Percent of Respondents (Buyers) Familiar with Header Bidding



Q: Are you familiar with header bidding?

Base: Total Programmatic Respondents

Q: What is the value of header bidding for your advertising campaigns?

Base: Familiar With Header Bidding

Source: Programmatic Intelligence Report Wave 4 – DSP and DMP Reports

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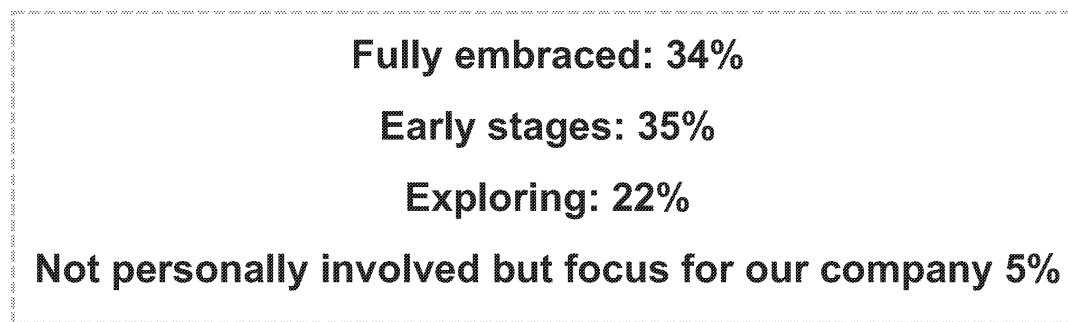
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Nearly 3 of 4 publishers have implemented header bidding The rest are exploring it

Usage of Header Bidding
Percent of Respondents



5% not involved, not a focus

Header Bidding
is defined as an advanced programmatic technique wherein publishers offer inventory to multiple ad exchanges simultaneously before making calls to their ad servers.

Q: Which of the following statements best applies to your usage of header bidding?
Base: Total Digital Publisher Respondents

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Private marketplace deals seen as the strongest growth area

Growth Areas of SSP or Ad Server Percent of Respondents

Programmatic direct/PMP deals	37%
Header bidding	23%
New formats	21%
Direct	12%
Auction changes	7%

Q: In the next few years, in which of the following areas do you think your SSP or Ad Server will see the most growth?
Base: Total Digital Publisher Respondents

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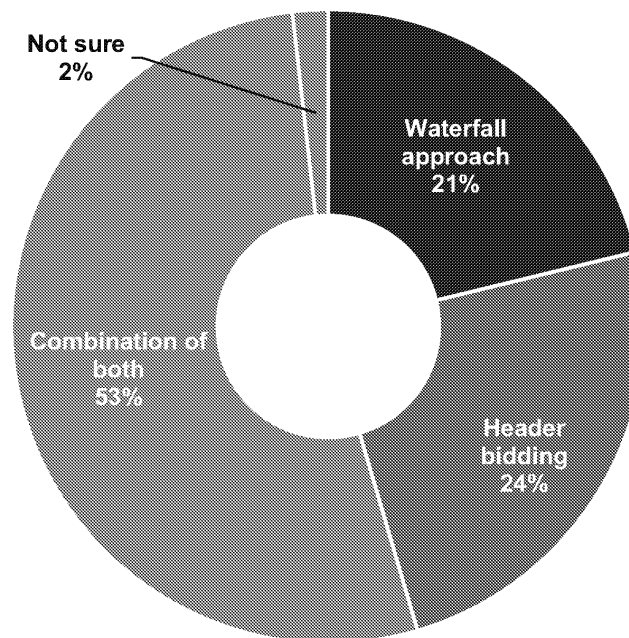
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Majority of publishers using a combination waterfall and header bidding approach

Inventory Selling to SSPs, Ad Networks and Exchanges
Percent of Respondents



Q: How is your inventory sold to SSPs, ad networks and exchanges?
Base: Total Digital Publisher Respondents

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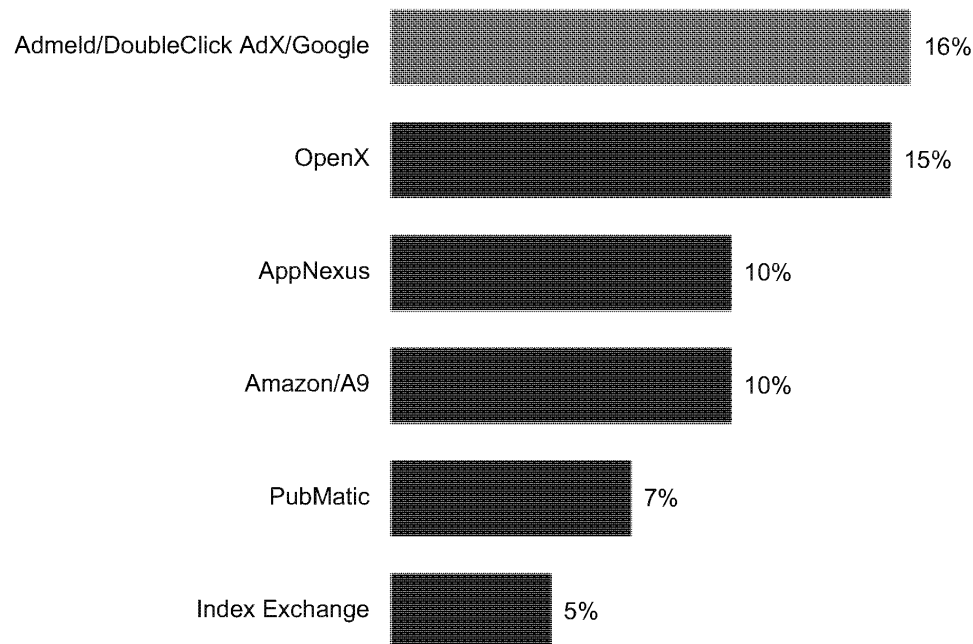
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Google/Admeld and OpenX considered to be the leaders in header bidding

SSPs Considered Leaders in Header Bidding


Percent of Respondents (Verbatim Responses)



Q: Which SSPs do you consider to be leaders and partners when it comes to header bidding?
Base: Total Digital Publisher Respondents

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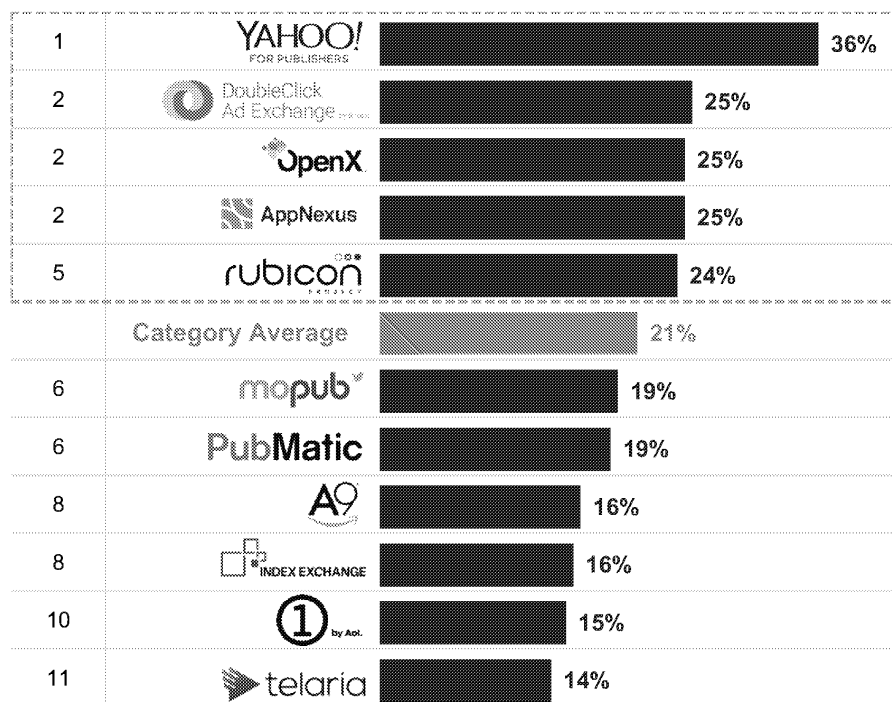
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Surprise? Publishers are the most familiar with Yahoo, more so than Google

Familiarity with Supply Side Platforms
Percent of Respondents Rating 10 on a 10-Point Scale



Note: Yahoo was referred to in study as "Yahoo for Publishers (including BrightRoll)"

Q: How familiar are you with each of the following Supply Side Platforms (SSPs)? (1 = Not at all Familiar; 10 = Very Familiar)
Base: Total Digital Publisher Respondents

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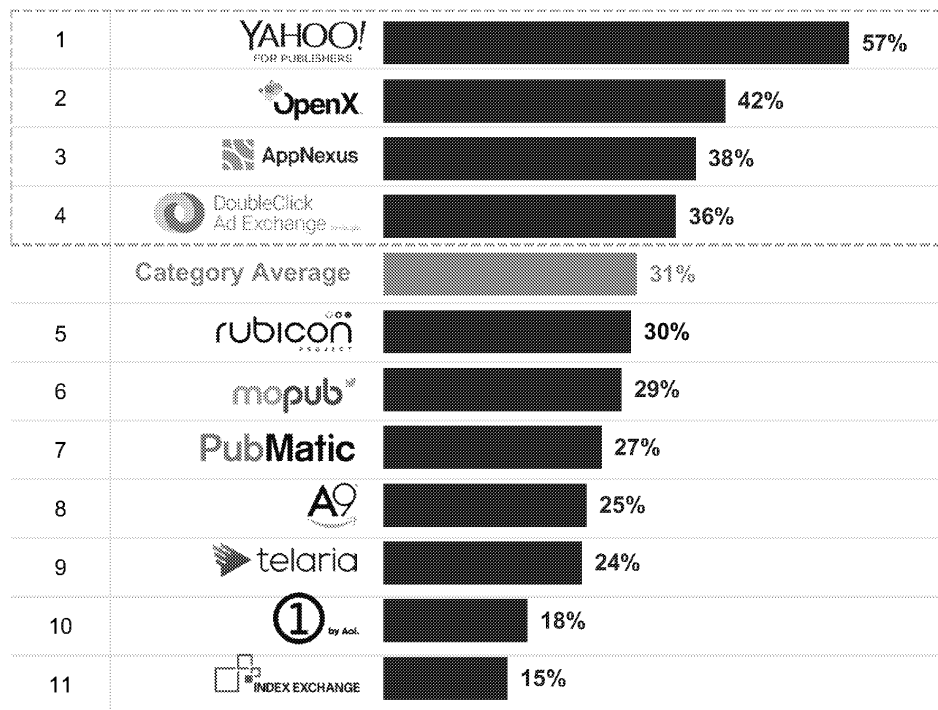
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Past SSP usage: Yahoo sizeable lead over others, including DoubleClick (DCLK)

Usage of Supply Side Platforms in the Past Year
Percent of Respondents



6.7

Average Number of SSPs
used in past year

8.7

Average Number of
SSPs expect to use in
next 12 months

Q: Which of these Supply Side Platforms (SSPs) you said you are familiar with have you used in the past year?
Base: Total Digital Publisher Respondents

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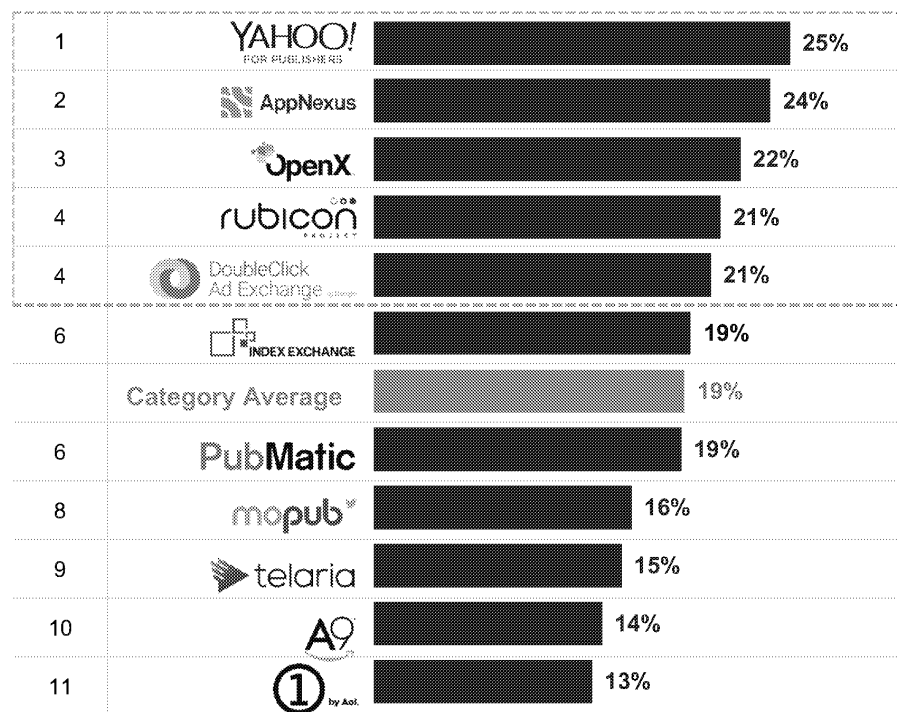
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2018 consideration: Yahoo ahead of Google and others, but many are in the race

Consideration of Supply Side Platforms

Percent of Respondents Rating 10 on a 10-Point Scale



Q: How likely are you to consider each of the Supply Side Platforms (SSPs) you said you are familiar with for use in the coming year?

(1 = Not at all Likely; 10 = Very Likely)

Base: Total Digital Publisher Respondents

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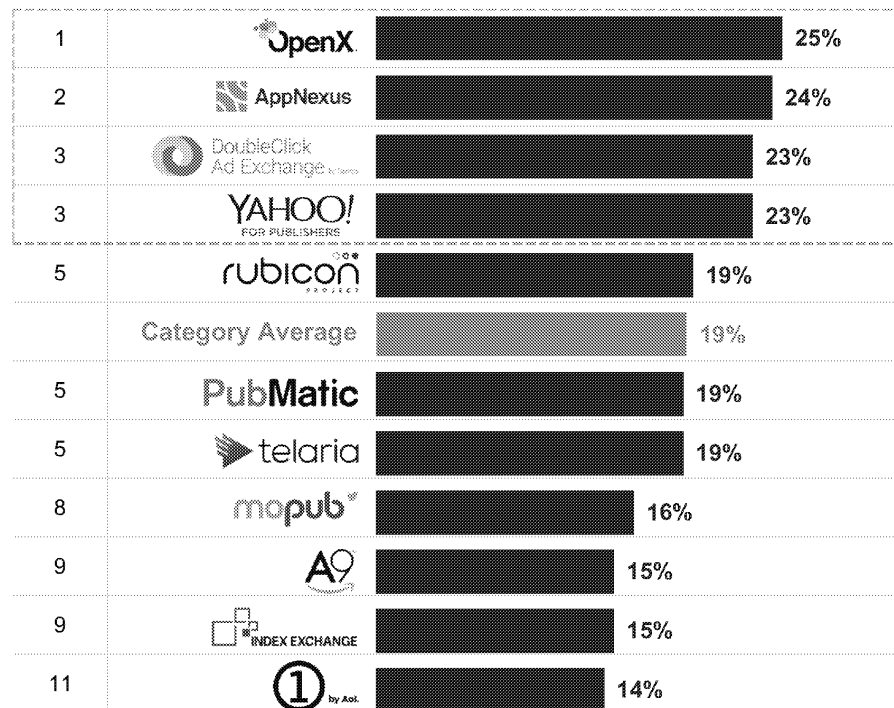
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2018 intention: DCLK among tight pack of leaders

Intention of Supply Side Platforms

Percent of Respondents Rating 10 on a 10-Point Scale



Q: How likely are you to actually use each of the Supply Side Platforms (SSPs) you said you are considering for use in the coming year?

(1 = Not at all Likely; 10 = Very Likely)

Base: Total Digital Publisher Respondents

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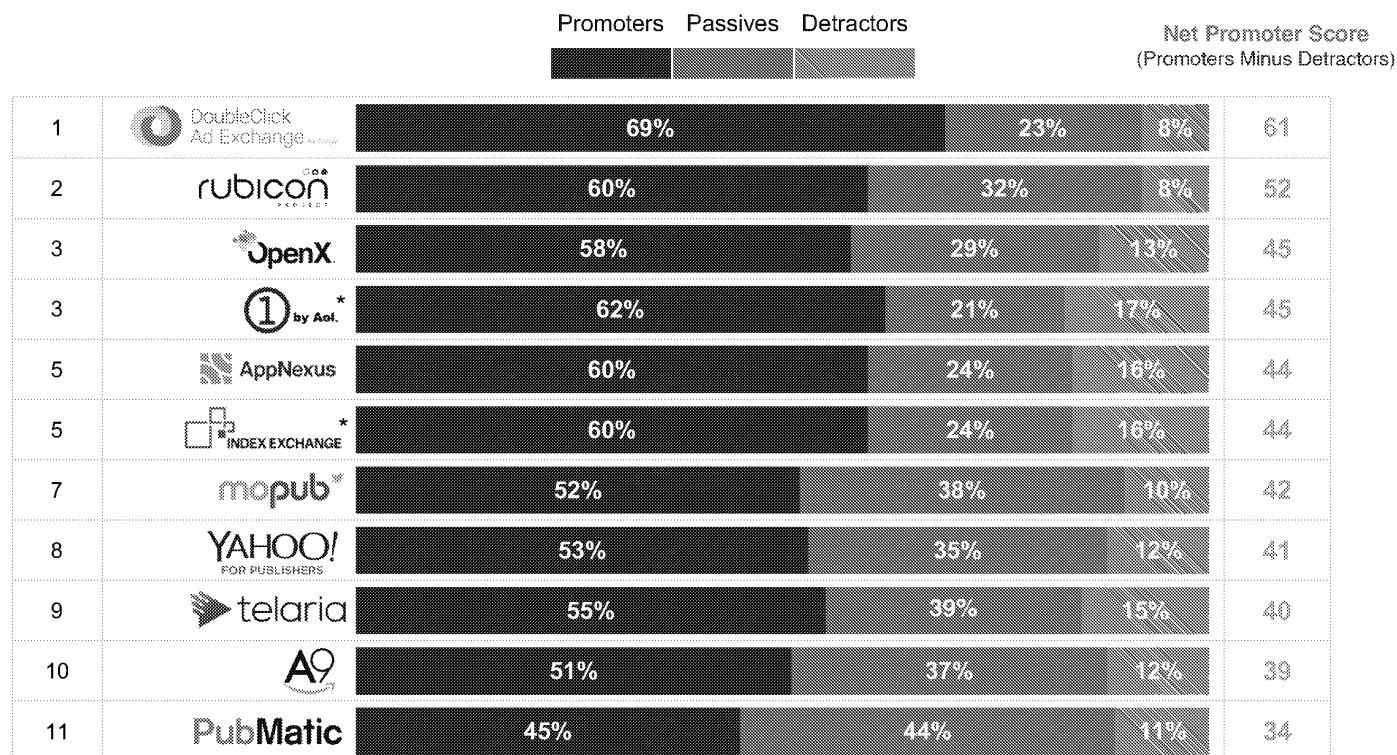
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Net Promoter Scores are high in general and for Google in particular

Likelihood to Recommend Supply Side Platforms

Sorted by Net Promoter Score



*Base Size = 20-29 (Small Base)

Q: How likely would you be to recommend to a colleague the Demand Side Platform(s) (DSPs) you have used in the past year?
Base: Total Digital Publisher Respondents (Variable Base)

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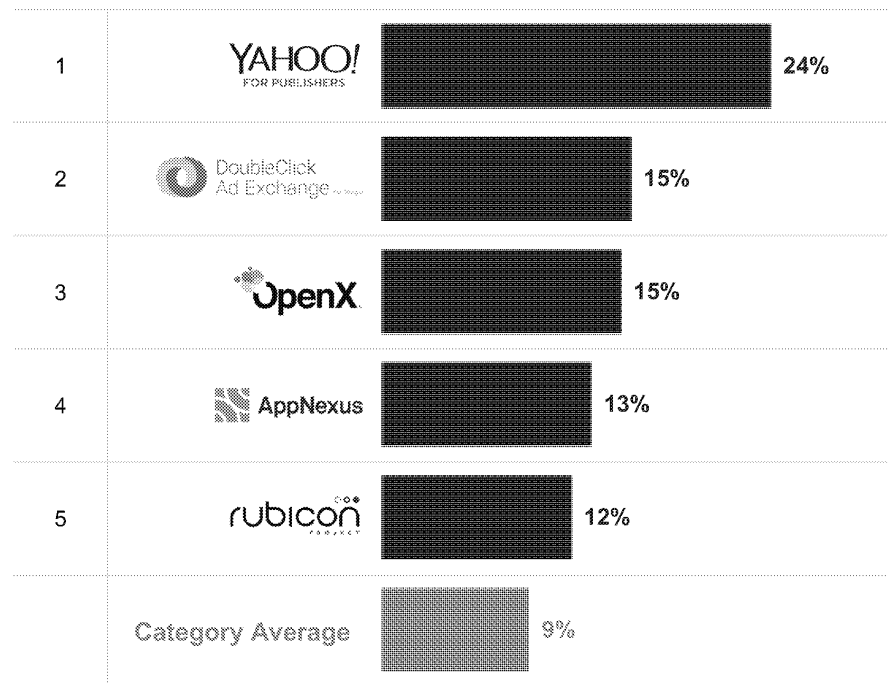
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If publishers could choose only 1 SSP, Yahoo would lead Google

Preference of Supply Side Platforms
Percent of Respondents



Q: If you were to only select one, which of these Supply-Side Platforms (SSPs) would you choose to partner with for an advertising campaign?
Base: Intent to Total Digital Publisher Respondents in the Next Year

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Which SSP stands out for native advertising? Yahoo leads Google

SSP Doing the Best Job with Native Advertising

Percent of Respondents

Native		
1	YAHOO! FOR PUBLISHERS	18%
2	DoubleClick Ad Exchange	14%
3	OpenX	13%
4	mopub	9%
5	rubicon	8%
6	AppNexus	8%
7	A9	8%
8	telaria	7%
9	PubMatic	6%
10	INDEX EXCHANGE	4%
11	1 by AOL	3%

Q: For each of the following formats, which of these SSPs is doing the best job when it comes to integrating with your site's look and feel?
Base: Considering Supply Side Platforms (Variable Base)

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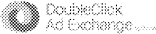






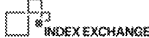
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Which SSP is the leader in mobile ads? Google trails Yahoo and others

SSP Doing the Best Job with Mobile Advertising

Percent of Respondents

Mobile		
1	 YAHOO! FOR PUBLISHERS	19%
2	 AppNexus	15%
3	 OpenX	14%
4	 DoubleClick Ad Exchange	11%
5	 mopub	10%
6	 rubicon	6%
7	 telaria	5%
8	 A9	5%
9	 1 by AOL	5%
10	 PubMatic	4%
11	 INDEX EXCHANGE	4%

Q: For each of the following formats, which of these SSPs is doing the best job when it comes to integrating with your site's look and feel?
Base: Considering Supply Side Platforms (Variable Base)

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Publishers say Yahoo also takes a leadership position for video

SSP Doing the Best Job with Video Advertising

Percent of Respondents

Video		
1	YAHOO! FOR PUBLISHERS	22%
2	OpenX	13%
3	DoubleClick Ad Exchange	12%
4	AppNexus	9%
5	rubicon	8%
6	A9	8%
7	mopub	6%
8	telaria	6%
9	PubMatic	5%
10	1 by AOL	5%
11	INDEX EXCHANGE	4%

Q: For each of the following formats, which of these SSPs is doing the best job when it comes to integrating with your site's look and feel?
Base: Considering Supply Side Platforms (Variable Base)

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What makes DCLK a preferred partner?

Reasons for SSP Preference Percent of Respondents

"They have always delivered amazing customer service and features that allow me to make any/all changes on the fly."
- **CEO/Founder** (10 – 20MM)

"Great service."
- **CEO** (50MM+)

"They have the products and services that meet our needs...in one place"
- **EVP/SVP** (30– 40MM)

"Broad scope of customer reach and engagement."
- **CEO** (40-50MM)

"It has the highest quality ad marketplace and built for supply partners and maximizes business goals."
- **CMO** (1 – 10MM)

"Best results."
- **CRO** (10-20MM)

"They are a leader in the industry."
- **VP** (10 – 20MM)

"Innovation and better technology."
- **CMO** (30– 40MM)

"They have been our go to for years so we are most comfortable here."
- **CRO/Head of Sales** (20MM+)

Q: What does [SSP] do or offer that makes them your preferred partner?
Base: Total Digital Publisher Respondents

Indicates monthly unique visitors

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What do SSPs need to do to improve?

Most common comment for DCLK and YFP: *Nothing*

Preferred SSP Potential Improvements Percent of Respondents



"Be more supportive during tech issues."
- **CEO/Founder** (1 – 10MM)

"More value and widespread coverage."
- **CRO/Head of Sales** (10 – 20MM)

"Security and innovation."
- **CMO** (20MM+)



"Can develop leadership in the header bidding technology and auction bidding."
- **CMO** (1 – 10MM)

"Provide more protection for the fraudulent traffic of the ads with stronger interface."
- **Director** (1 – 10MM)

"Feature to customize the appearance of our report and maximize our customer base."
- **Manager** (10 – 20MM)



"Preventive maintenance should be offered allowing us to run the business without any down time."
- **CTO** (10 – 20MM)

"Inventory management must not be complicated and hard to navigate."
- **CMO** (10 – 20MM)

"More improved premium video content with reliable delivery."
- **Manager** (10 – 20MM)

Q: How can [SSP] improve further?
Base: Total Digital Publisher Respondents

Indicates monthly unique visitors

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What criteria matter most of the 33 below when selecting an SSP?

Business and Market Criteria:

1. Access to demand (e.g., introductions to advertisers/agencies and proprietary demand)
2. Allowing for sub-syndication (i.e., reselling of publisher's inventory by buyers on their platform)
3. Auction dynamics (e.g., first price, second price, floor pricing automation & soft floors etc.)
4. Clear and compelling technology roadmap
5. Effective and engaging formats (in video, mobile, native)
6. Fee transparency (e.g., buyer fees, client fees, etc.)
7. Fee structures and revenue sharing plans that are fair to the publisher
8. Leading edge header bidding capabilities
9. Payment terms (e.g., Net 30, 60, 90)
10. Positive momentum for brand in the market
11. Programmatic direct/private marketplace (PMP), premium programmatic capabilities
12. Open exchange capabilities
13. Thought leadership of ad tech brand

Service and Support Criteria:

1. Proactively share ideas and expertise to enable us to succeed
2. Make it easy for us to find the solutions or answers we need
3. Effective tech support

Technology Criteria:

1. Ability to deliver native, video and mobile formats that integrate with our site's look and feel.
2. Appropriate brand safety controls (tools to block and remove inappropriate ads)
3. Auditing tools for control over ad placement
4. Bad ads protection (spam, malware, invalid traffic)
5. Data available in the platform (i.e., impression level auction data, advertiser transparency, bid transparency, etc.)
6. Easy to sell and book via platform
7. Resources/tools for overseeing ad quality
8. Supported inventory formats
9. Third-party integrations
10. Visibility into accurate, available inventory
11. Viewability of ads

Sales Relationship Criteria:

1. Demonstrates knowledge of publisher goals, needs
2. Is easy to work with
3. Responsive to client needs
4. Sales skills (listening, attentiveness, negotiating, etc.)
5. Technology expertise
6. Understanding of client goals, need

 Advertiser Perceptions

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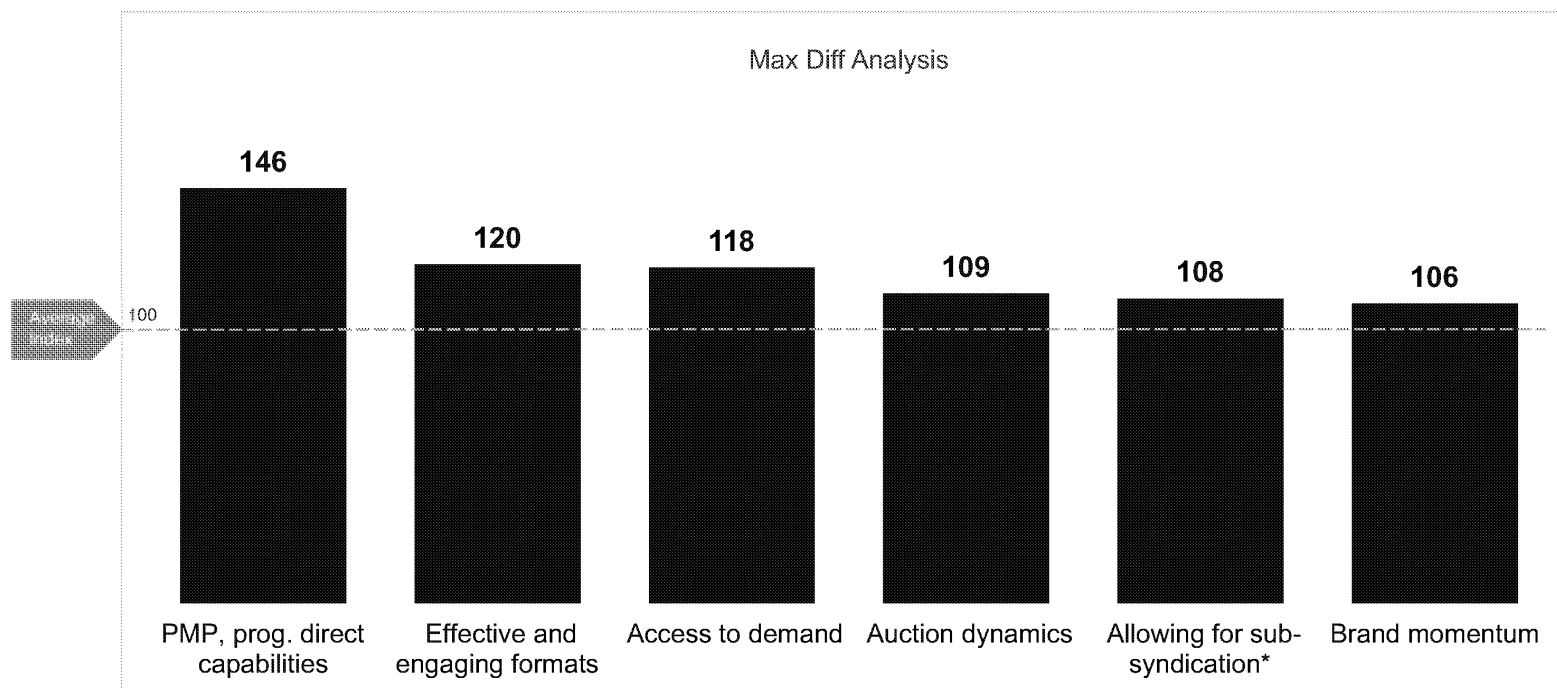
Programmatic Intelligence Report Q1 2018

1. Access to demand
2. Allowing for sub-syndication
3. Auction dynamics
4. Clear and compelling technology roadmap
5. Effective and engaging formats
6. Fee transparency
7. Fee structures and revenue sharing plans that are fair to the publisher
8. Leading edge header bidding capabilities
9. Payment terms
10. Positive momentum for brand in the market
11. Programmatic direct/private marketplace (PMP), premium programmatic capabilities
12. Open exchange capabilities
13. Thought leadership of ad tech brand

Supply Side Platforms

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PMP capabilities lead 13 market and business selection criteria



*Sub-syndication involves reselling of inventory

Q: Thinking about Supply Side Platforms (SSPs), how important are the following business and market criteria?
Base: Total Digital Publisher Respondents

Advertiser Perceptions™ 31

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Programmatic
Intelligence Report
Q1 2018

Consideration rankings
(see slide 21)

Leaders

1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

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DCLK trailing in all key criteria: Index leads in PMP, the most important criterion

Index of Percent Rating SSPs 10 on a 10-Point Scale

PMP, prog. direct capabilities (146)		Effective and engaging formats (120)		Access to demand (118)	
INDEX EXCHANGE	160	PubMatic	134	YAHOO! FOR PUBLISHERS	132
telaria	105	YAHOO! FOR PUBLISHERS	117	① by AOL	114
OpenX	105	A9	116	INDEX EXCHANGE	113
YAHOO! FOR PUBLISHERS	99	telaria	111	telaria	108
PubMatic	97	mopub ™	104	mopub ™	108
A9	97	① by AOL	102	A9	107
rubicon P.A.D.E.C.T.	91	rubicon P.A.D.E.C.T.	99	OpenX	99
① by AOL	91	INDEX EXCHANGE	90	AppNexus	86
DoubleClick Ad Exchange	90	OpenX	85	PubMatic	84
mopub ™	86	DoubleClick Ad Exchange	78	rubicon P.A.D.E.C.T.	82
AppNexus	80	AppNexus	63	DoubleClick Ad Exchange	68

Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria?
Base: Considering Supply Side Platforms (Variable Base)

Advertiser Perceptions™ 32

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Programmatic
Intelligence Report
Q1 2018

Consideration rankings
(see slide 21)

Leaders

1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

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DCLK average in auctions, leading in brand momentum

Not surprisingly, DCLK trails in sub-syndication

Index of Percent Rating SSPs 10 on a 10-Point Scale

Auction dynamics (109)		Allowing for sub-syndication (108)		Brand momentum (106)	
PubMatic	131	YAHOO!	127	DoubleClick Ad Exchange	126
telaria	126	telaria	127	YAHOO!	117
rubicon	106	OpenX	111	AppNexus	115
A9	105	rubicon	111	PubMatic	109
① by AOL	104	mopub	97	① by AOL	102
DoubleClick Ad Exchange	103	AppNexus	97	OpenX	98
YAHOO!	100	A9	95	INDEX EXCHANGE	96
INDEX EXCHANGE	91	PubMatic	95	mopub	92
OpenX	85	① by AOL	89	rubicon	92
mopub	81	INDEX EXCHANGE	87	A9	79
AppNexus	68	DoubleClick Ad Exchange	65	telaria	74

Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria?
Base: Considering Supply Side Platforms (Variable Base)

Advertiser Perceptions 33

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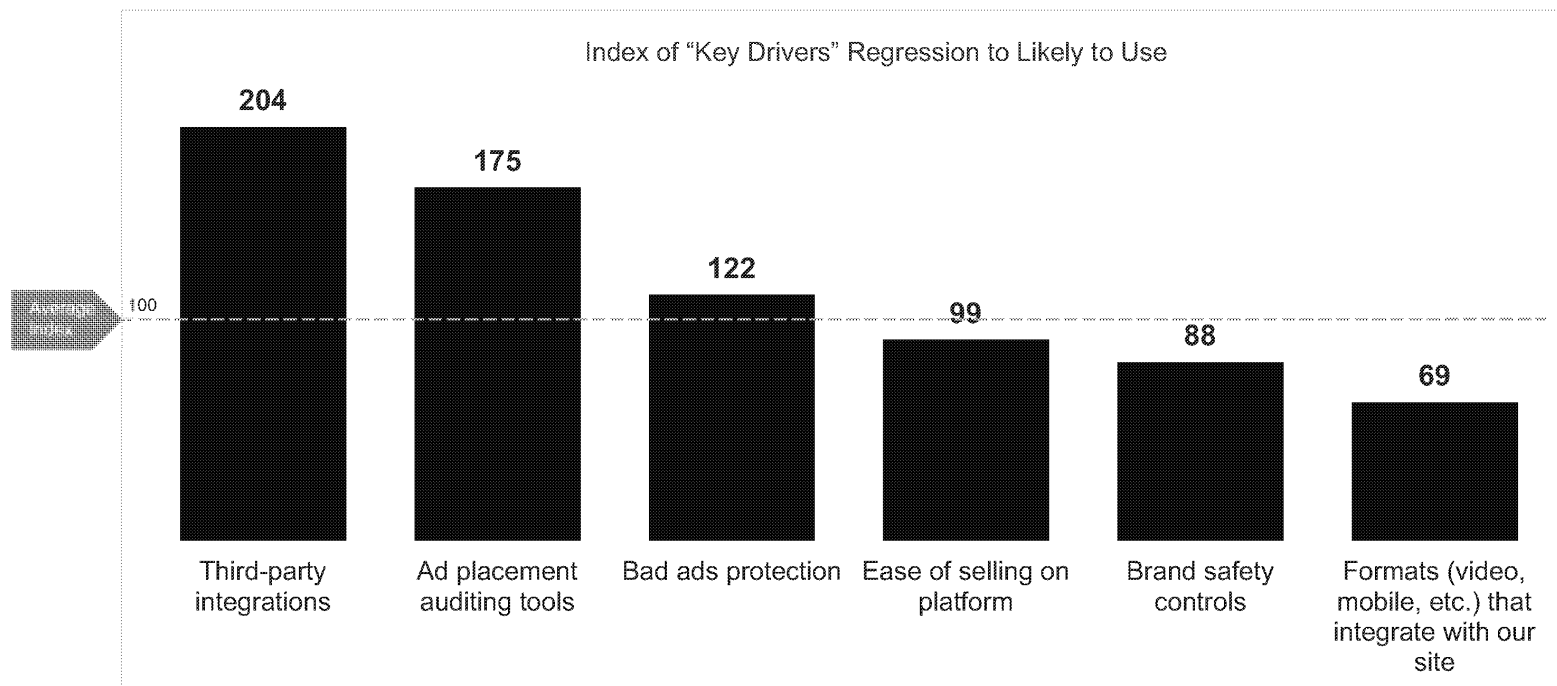
Programmatic
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1. Ability to deliver native, video and mobile formats that integrate with our site's look and feel.
2. Appropriate brand safety controls
3. Auditing tools for control over ad placement
4. Bad ads protection
5. Data available in the platform
6. Easy to sell and book via platform
7. Resources/tools for overseeing ad quality
8. Supported inventory formats
9. Third-party integrations
10. Visibility into accurate, available inventory
11. Viewability of ads

Supply Side Platforms

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Of 11 tech criteria which are key to driving intention? 3rd party integration and ad placement auditing tools



Q: How likely are you to actually use each of the Supply-Side Platforms (SSPs) you said you are considering for use in the coming year?

Base: Total Digital Publisher Respondents

Q: How would you rate this Supply-Side Platform (SSP) on the following technology criteria?

Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Advertiser Perceptions 34

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Programmatic
Intelligence Report
Q1 2018

Consideration rankings
(see slide 21)

Leaders

1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

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DCLK perceived to be in tight race for lead in 3rd party integrations

Brand safety issue rearing its head in low “bad ads” rating?

Index of Percent Rating SSPs 10 on a 10-Point Scale

Third-party integrations (204)		Ad placement auditing tools (175)		Bad ads protection (122)	
PubMatic	119	OpenX	132	① by AOL	124
① by AOL	118	INDEX EXCHANGE	127	A9	120
DoubleClick Ad Exchange	117	A9	116	OpenX	115
YAHOO! FOR PUBLISHERS	107	① by AOL	108	rubicon	115
A9	105	PubMatic	102	YAHOO! FOR PUBLISHERS	108
rubicon	98	DoubleClick Ad Exchange	101	PubMatic	107
INDEX EXCHANGE	97	YAHOO! FOR PUBLISHERS	97	AppNexus	101
mopub	93	rubicon	88	INDEX EXCHANGE	99
AppNexus	86	telaria	83	telaria	88
telaria	85	AppNexus	77	DoubleClick Ad Exchange	66
OpenX	76	mopub	71	mopub	57

Q: How would you rate this Supply-Side Platform (SSP) on the following technology criteria?
Base: Considering Supply Side Platforms (Variable Base)

Advertiser Perceptions™ 35

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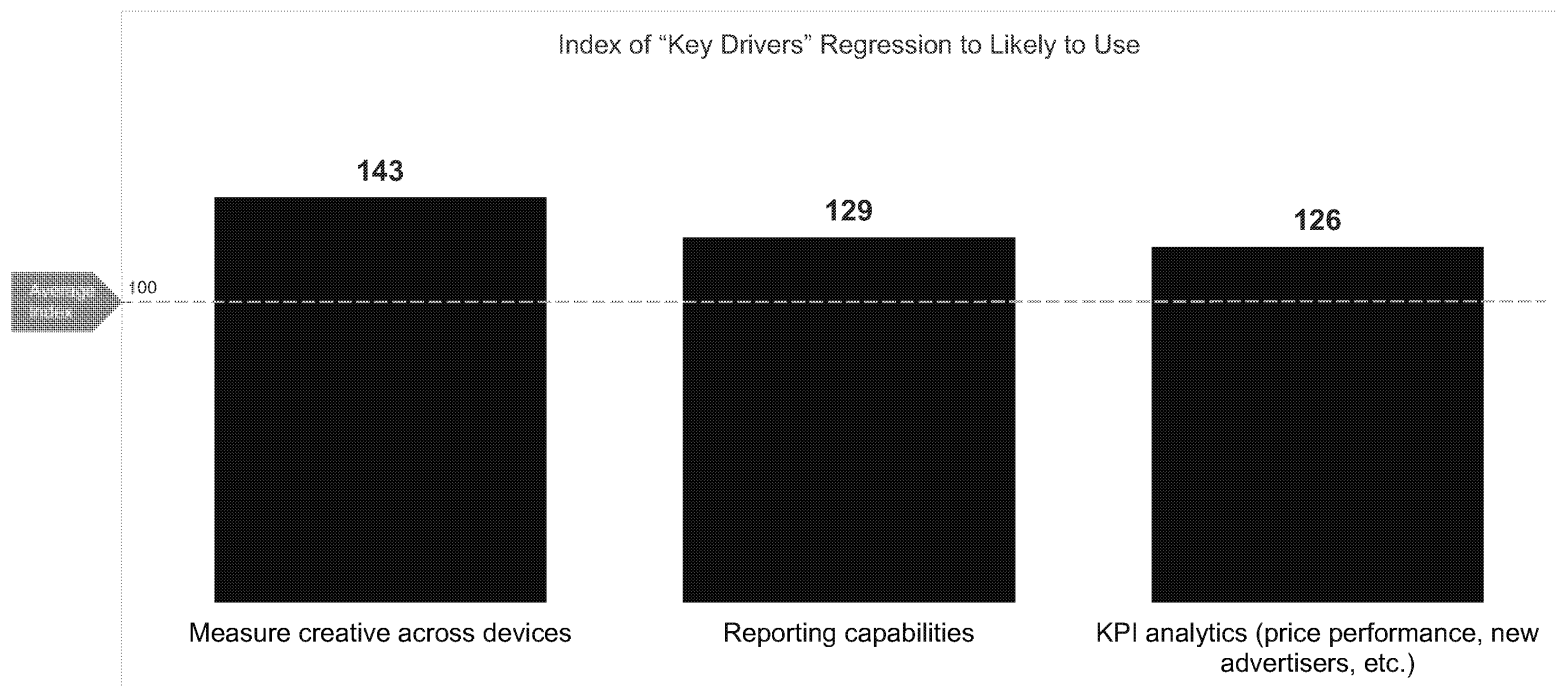
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Intelligence Report
Q1 2018

1. Analytics providing key metric performance on pricing, campaign effectiveness, new advertisers, etc.
2. Availability of reporting
3. Measure creative performance across devices
4. ROI measurement/ optimization across devices

Supply Side Platforms

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Publishers care most about measuring creative across devices, reporting, and KPI analytics



Q: How likely are you to actually use each of the Supply-Side Platforms (SSPs) you said you are considering for use in the coming year?

Base: Total Digital Publisher Respondents

Q: How would you rate this Supply-Side Platform (SSP) on the following measurement and analytics criteria?

Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Advertiser Perceptions 36

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Programmatic
Intelligence Report
Q1 2018

Consideration rankings
(see slide 21)
Leaders

1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

Google typically seen as a leader in analytics & measurement, DCLK uncharacteristically trails in all reporting/analytics criteria

Index of Percent Rating SSPs 10 on a 10-Point Scale

Measure creative across devices (143)	Reporting capabilities (129)	KPI analytics (price performance, new advertisers, etc.) (126)
PubMatic 146	telaria 140	rubicon 119
rubicon 114	PubMatic 117	A9 110
A9 113	YAHOO! 112	INDEX EXCHANGE 109
① by AOL 111	OpenX 111	telaria 105
INDEX EXCHANGE 105	A9 103	YAHOO! 105
telaria 101	① by AOL 96	AppNexus 98
OpenX 100	DoubleClick Ad Exchange 95	mopub 98
YAHOO! 94	rubicon 89	① by AOL 96
mopub 94	INDEX EXCHANGE 88	PubMatic 90
DoubleClick Ad Exchange 65	mopub 78	DoubleClick Ad Exchange 88
AppNexus 56	AppNexus 71	OpenX 82

Q: How would you rate this Supply-Side Platform (SSP) on the following measurement and analytics criteria?
Base: Considering Supply Side Platforms (Variable Base)

Advertiser Perceptions 37

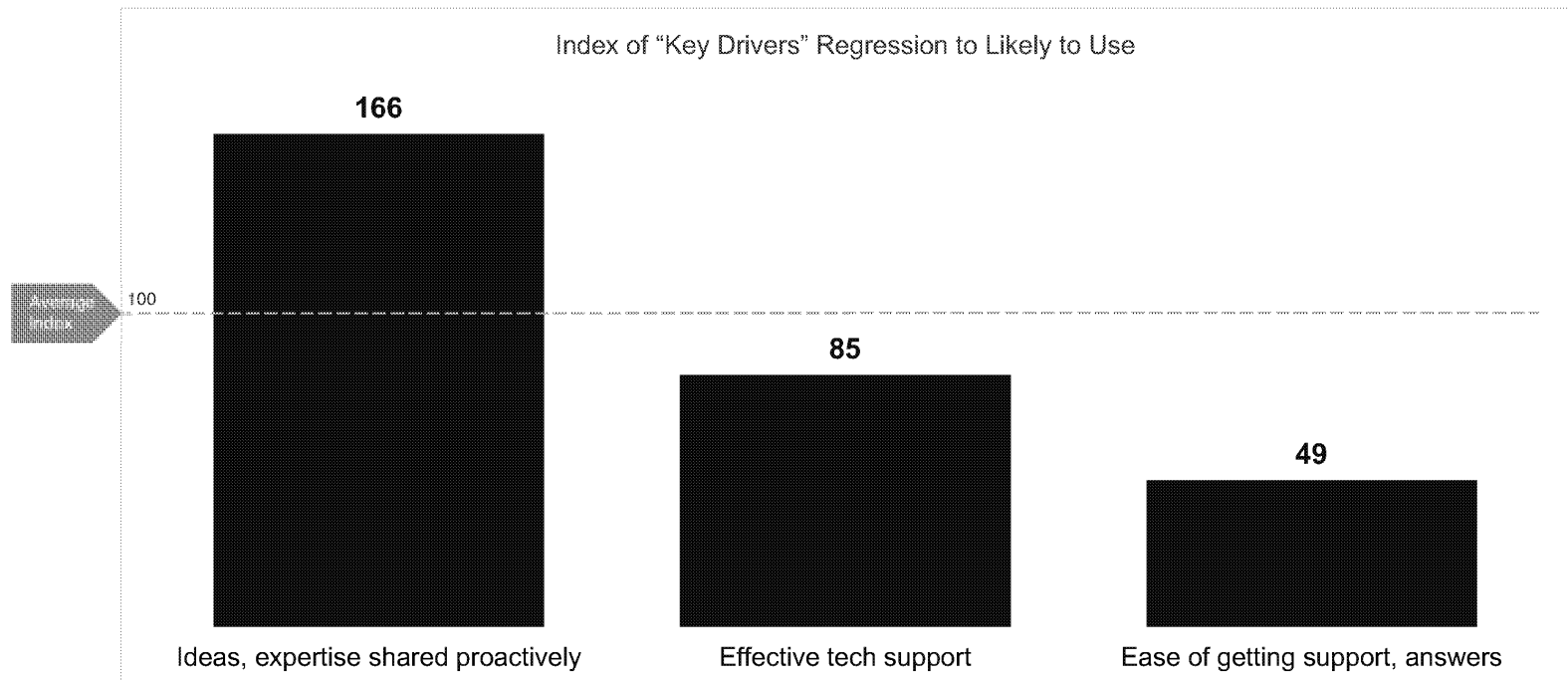
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Programmatic
Intelligence Report
Q1 2018

Ideas and expertise matter most when it comes to sales support



Q: How likely are you to actually use each of the Supply-Side Platforms (SSPs) you said you are considering for use in the coming year?

Base: Total Digital Publisher Respondents

Q: How would you rate this Supply-Side Platform (SSP) on the following service and support criteria?

Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Advertiser Perceptions 38

Supply Side Platforms

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Programmatic
Intelligence Report
Q1 2018

Consideration rankings
(see slide 21)

Leaders








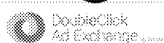



1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

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DCLK below average in sales support

Index of Percent Rating SSPs 10 on a 10-Point Scale

Ideas, expertise shared proactively (166)	
	127
	119
	111
	111
	104
	103
	96
	90
	85
	80
	74

Q: How would you rate this Supply-Side Platform (SSP) on the following service and support criteria?
Base: Considering Supply Side Platforms (Variable Base)

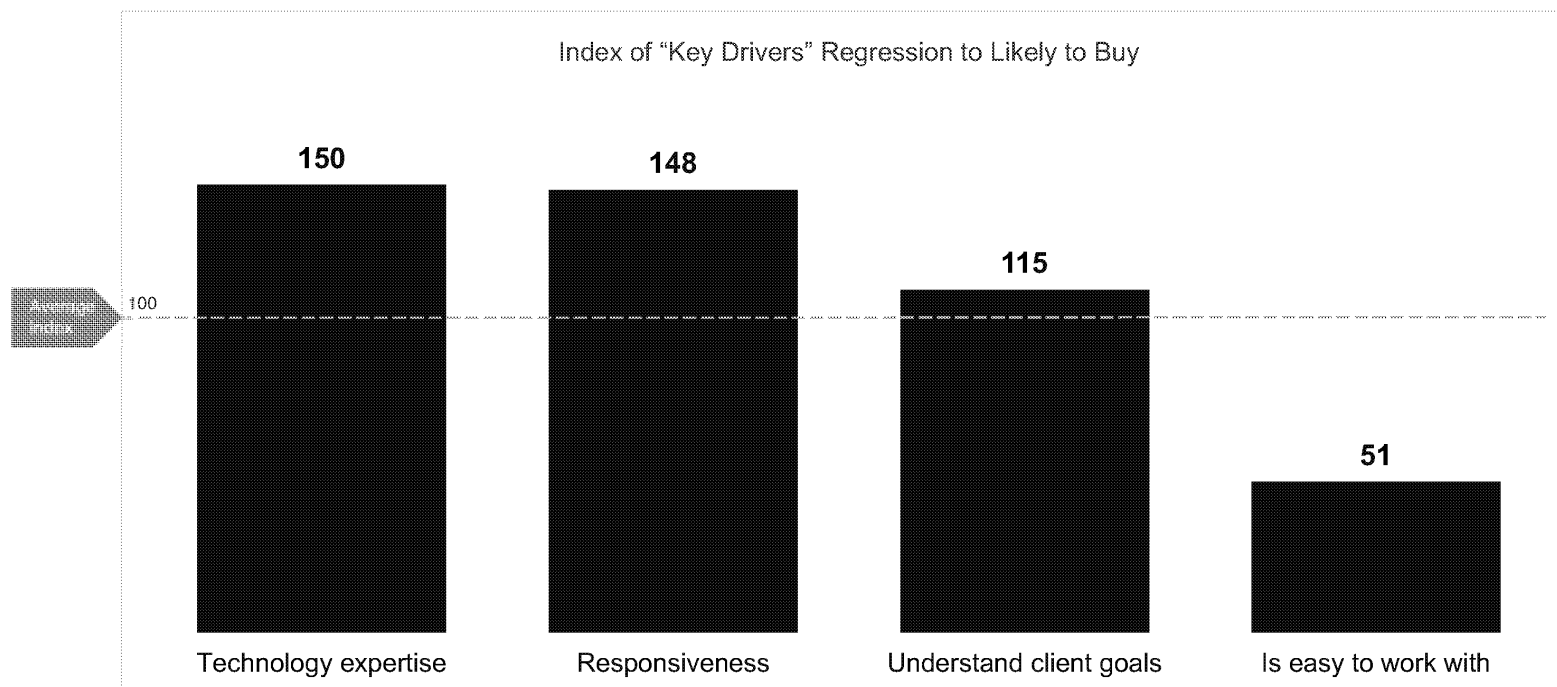
 Advertiser Perceptions 39

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Q1 2018

What do publishers want from your sales teams? Tech expertise and responsiveness lead 6 criteria



Q: How likely are you to actually use each of the Supply-Side Platforms (SSPs) you said you are considering for use in the coming year?

Base: Total Digital Publisher Respondents

Q: How would you rate this Supply-Side Platform (SSP) on the following sales relationship criteria?

Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Advertiser Perceptions 40

Supply Side Platforms

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Programmatic
Intelligence Report
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Consideration rankings
(see slide 21)

Leaders

1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

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DCLK average in tech expertise and understanding client goals

Index of Percent Rating SSPs 10 on a 10-Point Scale

Technology expertise (150)		Responsiveness (148)		Understand client goals (115)	
	139		123		147
	122		121		116
	119		118		104
	112		113		102
	106		105		98
	96		104		97
	90		93		97
	84		91		97
	82		81		85
	82		78		82
	68		73		77

Q: How would you rate this Supply-Side Platform (SSP) on the following sales relationship criteria?
Base: Considering Supply Side Platforms (Variable Base)

Advertiser Perceptions 41

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Consideration rankings
(see slide 21)

Leaders












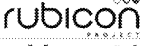

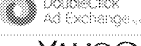


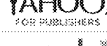
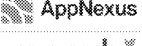


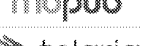


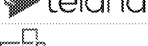


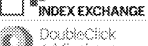




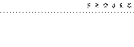

1. Yahoo
2. AppNexus
3. OpenX
4. Rubicon
5. DoubleClick
6. Index Exchange
7. PubMatic
8. MoPub
9. Telaria
10. A9
11. ONE by AOL

Supply Side Platforms

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Overall, DCLK lags leaders in communication

Index of Percent Having Any Communication with SSP Representative
(In Person, Phone, Email, etc.) in "Past 90-Days"

Had presentations on market topics or training		Met with or had direct contact with representatives		Any Communication	
	136		124		107
	108		123		107
	103		114		107
	101		108		105
	100		106		105
	97		106		101
	94		102		99
	93		89		95
	92		88		94
	90		78		92
	85		62		89

Q: For each Supply-Side Platform (SSP), please indicate whether in the past 90 days you have...?
Base: Considering Supply Side Platforms (Variable Base)

Advertiser Perceptions™ 42

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Methodology

Marketplace Overview

Competitive Landscape

Platform Perceptions

Appendix

Supply Side Platforms

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Key takeaways

Marketplace overview and header bidding

- What's the promise of programmatic? Efficiency, improving margins, new revenue streams
- Roadblocks? Disruption to legacy publisher model, complexity

Competitive landscape

- Surprise? Publishers are the most familiar with Yahoo/BrightRoll, above Google
- Past SSP usage: Yahoo sizeable lead over others, including DoubleClick
- 2018 consideration: Yahoo ahead of Google and others, but many are in the race
- 2018 intention: DoubleClick among tight pack of leaders
- If publishers could choose only 1 SSP, Yahoo would lead Google

 **Advertiser Perceptions** 43

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Supply Side Platforms

Key takeaways

DoubleClick Ad Exchange vs. other SSPs

- PMP capabilities lead market and business selection criteria
 - DoubleClick trailing in all key criteria
 - DoubleClick average in auctions, leading in brand momentum
 - Not surprisingly, DoubleClick trails in sub-syndication
- What tech criteria are key to driving intention? 3rd party integration and ad placement auditing tools
 - DoubleClick in tight race for lead in 3rd party integrations
 - Brand safety issue rearing its head in low “bad ads” rating?
- Among technology criteria, publishers care most about measuring creative across devices, reporting, and KPI analytics
 - Google typically seen as a leader in campaign analytics & measurement, DoubleClick uncharacteristically trails in all reporting/analytics criteria

 **Advertiser Perceptions** 44

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Appendix



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What kinds of data do publishers want from SSPs?

“

Real time traffic statistics vs. actual sales.
- **CEO/Founder** (10 – 20MM)

CTR, viewer totals.
- **CRO/Head of Sales** (10 – 20MM)

*Social and interactive data aimed towards
advertising and public awareness.*
- **CMO** (1 – 10MM)

*Consumer demographics and
purchasing behaviors.*
- **Director** (1 – 10MM)

*Attempted malware information to help us find
bots and false views or gaming the system.*
- **EVP/SVP** (20MM+)

*It is good to post data which is based on
future goals and targets.*
- **VP** (20MM+)

*Data that would include demographics, location,
browsing and purchase history.*
- **Manager** (10 – 20MM)

*Data about viewer populations, browsing history and
their demographics would be ideal.*
- **Marketer Manager** (20MM+)

”

Indicates monthly unique visitors

 **Advertiser Perceptions** 46

Q: What kind of data would be the most useful for your SSP to provide to you as a publisher?
Base: Total Digital Publisher Respondents

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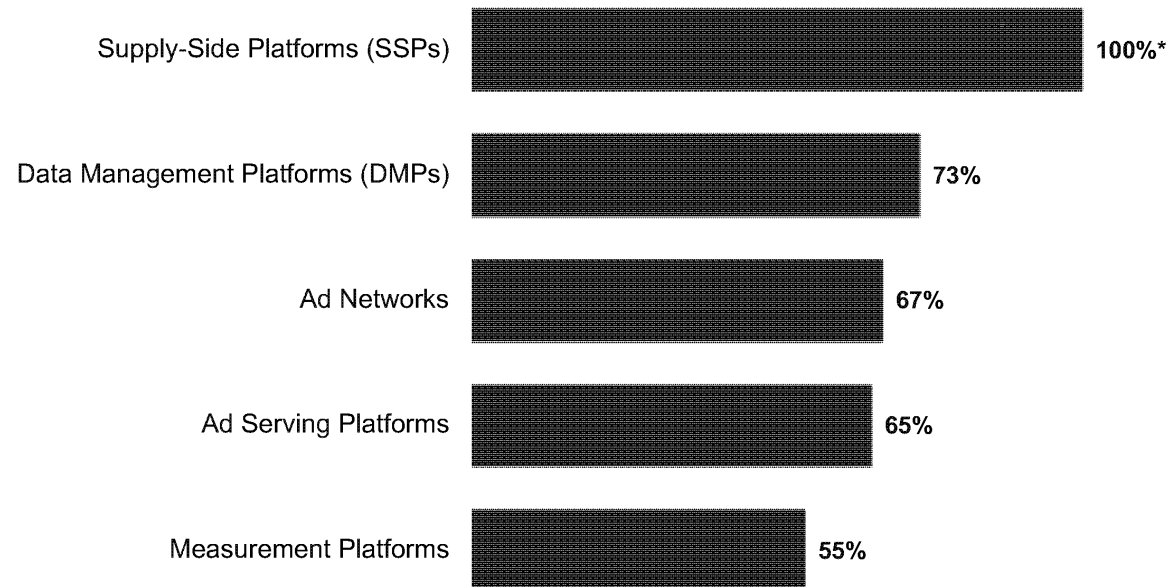
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Supply Side Platforms

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Most digital publishers are allocating inventory to multiple platforms

Technologies Allocating Inventory To in Past Year



*SSP Usage Required for Study Participation

Q. When thinking about offering agencies and marketers programmatic guaranteed advertising, which of these types of marketing and advertising solutions/technologies have you provided inventory to or used in the past year?
Base: Total Digital Publisher Respondents

Advertiser Perceptions 47

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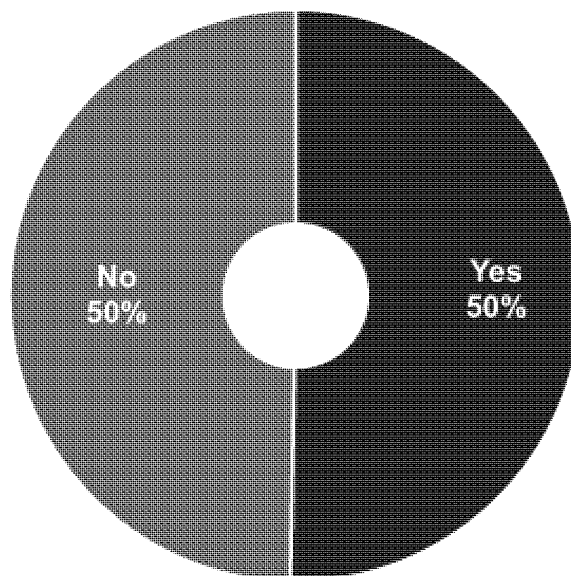
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Supply Side Platforms

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Half use separate SSPs for their channel (mobile, video, native, etc.) focus

Usage of Different SSPs for Different Inventory Types
Percent of Respondents



Why Are Publishers Using Multiple SSPs?

“

Allows us to see who is bidding, what they are paying and how much they are buying.

- CMO (10 – 20MM)

Each client we have likes to have it done in different SSPs not every client likes the same format.

- Director (1 – 10MM)

It allows us to more specifically target the ads based on the user experience and interaction.

- Director (20MM+)

We have different goals on different platforms.

- CRO/Head of Sales (20MM+)

This is highly effective and it integrates pricing floors so that our ad impressions do not get undervalued.

- Manager (10 – 20MM)

It helps us maximize the revenue we receive for our inventory.

- VP (10 – 20MM)

”

Q: Do you use different SSPs for different inventory types (e.g., mobile, video, native, etc.)?

Q: Please explain why you use different SSPs.

Base: Total Digital Publisher Respondents

Indicates monthly unique visitors

Advertiser Perceptions™ 48

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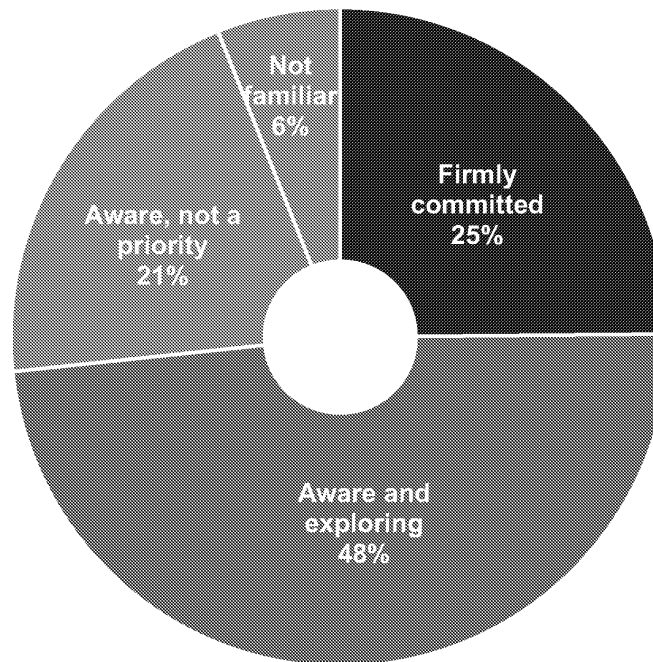
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Supply Side Platforms

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Most publishers are committed to or exploring ads.txt initiative

Engagement/Awareness with ads.txt
Percent of Respondents



Q: The IAB has advocated ads.txt as a way for publishers to commit to provide advertisers with safe inventory assurance. How engaged is your publishing firm with ads.txt?

Base: Total Digital Publisher Respondents

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Supply Side Platforms

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Familiarity with supply side platforms (detail) Google stronger with C-level and larger publishers

Percent of Respondents Rating 10 on a 10-Point Scale

	Total	# of Unique Monthly Visitors		Job Title		
		3 million to less than 15 million	15 million or more	C-level	VP/EVP/SVP	Director/Manager/Other
YAHOO! FOR PUBLISHERS	36%	30%	41%	40%	33%	31%
DoubleClick Ad Exchange	25%	22%	29%	29%	20%	24%
OpenX	25%	17%	33%	24%	28%	24%
AppNexus	25%	18%	31%	24%	30%	21%
rubicon	24%	18%	30%	24%	28%	21%
mopub	19%	18%	20%	16%	23%	24%
PubMatic	19%	13%	24%	22%	15%	17%
A9	16%	10%	23%	18%	15%	14%
INDEX EXCHANGE	16%	11%	20%	17%	13%	17%
1 by AOL	15%	11%	19%	18%	15%	10%
telaria	14%	7%	20%	14%	15%	12%

Delta = 5%+

High

Mid

Low

Q: How familiar are you with each of the following Supply Side Platforms (SSPs)? (1 = Not at all Familiar; 10 = Very Familiar)

Base: Total Digital Publisher Respondents

Job title color coding is a visual representation of each individual SSP's ratings comparatively by job title. Comparisons are made by partitioning each SSP's ratings into thirds (terciles).

Advertiser Perceptions 50

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Marketplace Overview

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Platform Perceptions

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Supply Side Platforms

Usage of supply side platforms (detail)

C-level is primary DoubleClick segment

Percent of Respondents

	Total	# of Unique Monthly Visitors		Job Title		
		3 million to less than 15 million	15 million or more	C-level	VP/EVP/SVP	Director/Manager/Other
YAHOO! FOR PUBLISHERS	57%	50%	64%	55%	50%	67%
OpenX	42%	38%	46%	39%	40%	50%
AppNexus	38%	35%	41%	40%	40%	33%
DoubleClick Ad Exchange	36%	35%	36%	45%	23%	31%
rubicon	30%	26%	35%	35%	20%	31%
mopub	29%	26%	33%	30%	28%	29%
PubMatic	27%	24%	29%	23%	25%	36%
A9	25%	27%	23%	29%	15%	26%
telaria	24%	21%	28%	25%	20%	26%
1 by AOL	18%	9%	27%	18%	15%	19%
INDEX EXCHANGE	15%	15%	16%	20%	5%	14%

Delta = 5%+

High

Mid

Low

Q: Which of these Supply Side Platforms (SSPs) you said you are familiar with have you used in the past year?

Base: Total Digital Publisher Respondents

Job title color coding is a visual representation of each individual SSP's ratings comparatively by job title. Comparisons are made by partitioning each SSP's ratings into thirds (terciles).

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Consideration of supply side platforms (detail)

Percent of Respondents Rating 10 on a 10-Point Scale

	Total	# of Unique Monthly Visitors		Job Title		
		3 million to less than 15 million	15 million or more	C-level	VP/EVP/SVP	Director/Manager/Other
YAHOO! FOR PUBLISHERS	25%	17%	34%	25%	30%	21%
AppNexus	24%	20%	29%	25%	30%	17%
OpenX	22%	18%	27%	24%	15%	26%
rubicon PROJECT	21%	18%	24%	19%	15%	31%
DoubleClick Ad Exchange	21%	18%	23%	25%	15%	17%
INDEX EXCHANGE	19%	16%	23%	24%	20%	10%
PubMatic	19%	11%	27%	16%	23%	21%
mopub	16%	9%	23%	16%	20%	12%
telaria	15%	11%	19%	18%	20%	5%
A9	14%	10%	18%	17%	18%	5%
① by AOL	13%	7%	19%	18%	15%	2%

Delta = 5%+

High

Mid

Low

Q: How likely are you to consider each of the Supply Side Platforms (SSPs) you said you are familiar with for use in the coming year?

(1 = Not at all Likely; 10 = Very Likely) Base: Total Digital Publisher Respondents

Job title color coding is a visual representation of each individual SSP's ratings comparatively by job title. Comparisons are made by partitioning each SSP's ratings into thirds (terciles).

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Intention of supply side platforms (detail)

Percent of Respondents Rating 10 on a 10-Point Scale

	Total	# of Unique Monthly Visitors		Job Title		
		3 million to less than 15 million	15 million or more	C-level	VP/EVP/SVP	Director/Manager/Other
OpenX	25%	24%	25%	27%	20%	26%
AppNexus	24%	22%	27%	24%	25%	24%
DoubleClick Ad Exchange	23%	20%	27%	25%	28%	14%
YAHOO! FOR PUBLISHERS	23%	20%	27%	28%	20%	17%
rubicon	19%	15%	24%	19%	15%	24%
PubMatic	19%	16%	22%	16%	20%	24%
telaria	19%	17%	20%	25%	10%	14%
mopub	16%	12%	19%	17%	20%	10%
A9	15%	5%	24%	14%	20%	10%
INDEX EXCHANGE	15%	12%	17%	17%	13%	12%
1 by AOL	14%	11%	17%	18%	10%	10%

Delta = 5%+

High

Mid

Low

Q: How likely are you to actually use each of the Supply Side Platforms (SSPs) you said you are considering for use in the coming year.

(1 = Not at all Likely; 10 = Very Likely) Base: Total Digital Publisher Respondents

Job title color coding is a visual representation of each individual SSP's ratings comparatively by job title. Comparisons are made by partitioning each SSP's ratings into thirds (terciles).

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Preference of supply side platforms (detail)

	Total	# of Unique Monthly Visitors		Job Title		
		3 million to less than 15 million	15 million or more	C-level	VP/EVP/SVP	Director/Manager/Other
YAHOO! FOR PUBLISHERS	24%	22%	25%	23%	21%	29%
DoubleClick Ad Exchange	15%	16%	14%	22%	10%	7%
OpenX	15%	10%	19%	13%	21%	12%
AppNexus	13%	12%	13%	8%	23%	12%
rubicon	12%	10%	13%	11%	10%	14%
PubMatic	7%	10%	5%	10%	3%	7%
mopub	4%	7%	1%	5%	0%	7%
A9	4%	5%	4%	2%	8%	5%
telaria	4%	5%	2%	4%	3%	5%
INDEX EXCHANGE	2%	2%	1%	1%	3%	2%
1 by AOL	1%	0%	1%	1%	0%	0%

Delta = 5%+

High

Mid

Low

Q: If you were to only select one, which of these Supply-Side Platforms (SSPs) would you choose to partner with for an advertising campaign?












Base: Intend to Total Digital Publisher Respondents in the Next Year

Job title color coding is a visual representation of each individual SSP's ratings comparatively by job title. Comparisons are made by partitioning each SSP's ratings into thirds (terciles).

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Net promoter score (detail)

Net Promoter Score (Promoters Minus Detractors)	Total Respondents	# of Unique Monthly Visitors		Job Title		
		3 million to less than 15 million	15 million or more	C-level	VP/EVP/SVP	Director/ Manager
 DoubleClick Ad Exchange	61	69	53	68	67	38
 rubicon	52	62	45	55	13	69
 OpenX	45	52	39	44	50	43
 1 by AOL *	45	71	36	47	33	50
 AppNexus	44	55	35	42	63	29
 INDEX EXCHANGE *	44	50	38	35	50	67
 mopub	42	43	41	44	27	50
 YAHOO! FOR PUBLISHERS	41	51	34	48	30	39
 telaria	40	41	39	29	25	73
 A9	39	32	47	25	67	55
 PubMatic	34	45	25	37	10	47

Delta = 5+

High

Mid

Low

Q: How likely would you be to recommend to a colleague the Demand Side Platform(s) (DSPs) you have used in the past year?

Base: Total Digital Publisher Respondents (Variable Base)

Job title color coding is a visual representation of each individual SSP's ratings comparatively by job title. Comparisons are made by partitioning each SSP's ratings into thirds (terciles).

*Base Size = 20-29 (Small Base)

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What makes these SSPs a preferred partner?

Reasons for SSP Preference Percent of Respondents



"They have always delivered amazing customer service and features that allow me to make any/all changes on the fly."
- **CEO/Founder** (10 – 20MM)

"It has the highest quality ad marketplace and built for supply partners and maximizes business goals."
- **CMO** (1 – 10MM)

"They have been our go to for years so we are most comfortable here."
- **CRO/Head of Sales** (20MM+)



"They have given the right platform to both buyers and sellers to work out and meet their digital marketing needs and goals."
- **CMO** (1 – 10MM)

"Ability to pull daily spend reports in order to provide our clients with accurate reporting."
- **Director** (1 – 10MM)

"Allows us to contact buyers directly to offer them custom-made packages of data."
- **Manager** (10 – 20MM)



"Offers us an automated auditing tools so we can straightforwardly organize where our ads get served."
- **CTO** (1 – 10MM)

"Clear and compelling with advanced technology."
- **CMO** (20MM+)

"Can analyze the best possible value on our ad inventory."
- **Manager** (10 – 20MM)

Q: What does [SSP] do or offer that makes them your preferred partner?
Base: Total Digital Publisher Respondents

Indicates monthly unique visitors

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What makes these SSPs a preferred partner?

Reasons for SSP Preference Percent of Respondents



"Offer features like ad servers are built to support buy-side and sell-side workflows across display, mobile, video and native ads."
- **COO** (1 – 10MM)

"Their platform simplifies the most sophisticated and machine learning and data science for better use."
- **VP** (20MM+)

"Gives us both full control of our media buying and transparency across the campaign lifecycle—driving more profit out of every dollar spent on advertising."
- **VP** (20MM+)



"You get the spirit of a startup and the support of a public company."
- **CMO** (20MM+)

"They have the right level of data we need."
- **VP** (1 – 10MM)

"They have engineered one of the largest real time cloud and Big Data computing systems. They process trillions of transactions within milliseconds each month."
- **Director** (1 – 10MM)

Q: What does [SSP] do or offer that makes them your preferred partner?
Base: Total Digital Publisher Respondents

Indicates monthly unique visitors

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What do SSPs need to do to improve?

Preferred SSP Potential Improvements Percent of Respondents



"Improve Third-Party Integrations, Inventory and Ad Quality, Open APIs and Customization."
- **COO** (1 – 10MM)

"Fair fee structures for the publisher's good percentage sharing of the revenue plans."
- **EVP/SVP** (20MM+)

"Easier flow of business."
- **VP** (20MM+)



"Improve transfer speed."
- **CEO/Founder** (1 – 10MM)

"Better features."
- **CMO** (10 – 20MM)

"Improve pacing with proportional control."
- **Director** (1 – 10MM)

Q: How can [SSP] improve further?
Base: Total Digital Publisher Respondents

Indicates monthly unique visitors

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Brand ratings: business & market criteria

Index of Percent Rating SSPs 10 on a 10-Point Scale

Clear and compelling technology roadmap		Open exchange capabilities		Fee transparency		Payment terms (e.g., Net 30, 60, 90)		Fee structures and revenue sharing plans that are fair to the publisher		Leading edge header bidding capabilities		Thought leadership of ad tech brand	
PubMatic	118	Index Exchange	146	PubMatic	118	OpenX	133	A9	143	A9	129	Index Exchange	133
Yahoo for Publishers	113	PubMatic	134	ONE by AOL	116	Index Exchange	121	ONE by AOL	121	PubMatic	129	Rubicon Project	126
A9	111	Rubicon Project	116	Index Exchange	116	ONE by AOL	115	Index Exchange	115	Rubicon Project	125	Yahoo for Publishers	113
Rubicon Project	106	MoPub	114	Telaria	112	Yahoo for Publishers	111	OpenX	112	DoubleClick Ad Exchange	121	ONE by AOL	104
OpenX	106	Yahoo for Publishers	102	OpenX	112	Rubicon Project	103	Yahoo for Publishers	112	ONE by AOL	121	PubMatic	100
MoPub	99	ONE by AOL	100	Yahoo for Publishers	105	DoubleClick Ad Exchange	101	Rubicon Project	98	AppNexus Publisher SSP	92	OpenX	95
ONE by AOL	98	AppNexus Publisher SSP	89	Rubicon Project	97	MoPub	91	PubMatic	97	Index Exchange	89	AppNexus Publisher SSP	94
DoubleClick Ad Exchange	97	Telaria	89	A9	90	A9	89	DoubleClick Ad Exchange	89	Yahoo for Publishers	85	A9	94
Index Exchange	97	A9	81	DoubleClick Ad Exchange	82	AppNexus Publisher SSP	84	Telaria	79	MoPub	73	Telaria	89
Telaria	93	DoubleClick Ad Exchange	79	AppNexus Publisher SSP	79	PubMatic	82	AppNexus Publisher SSP	67	Telaria	72	MoPub	83
AppNexus Publisher SSP	62	OpenX	51	MoPub	72	Telaria	69	MoPub	67	OpenX	63	DoubleClick Ad Exchange	69

Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria?

Base: Considering Supply Side Platforms (Variable Base)

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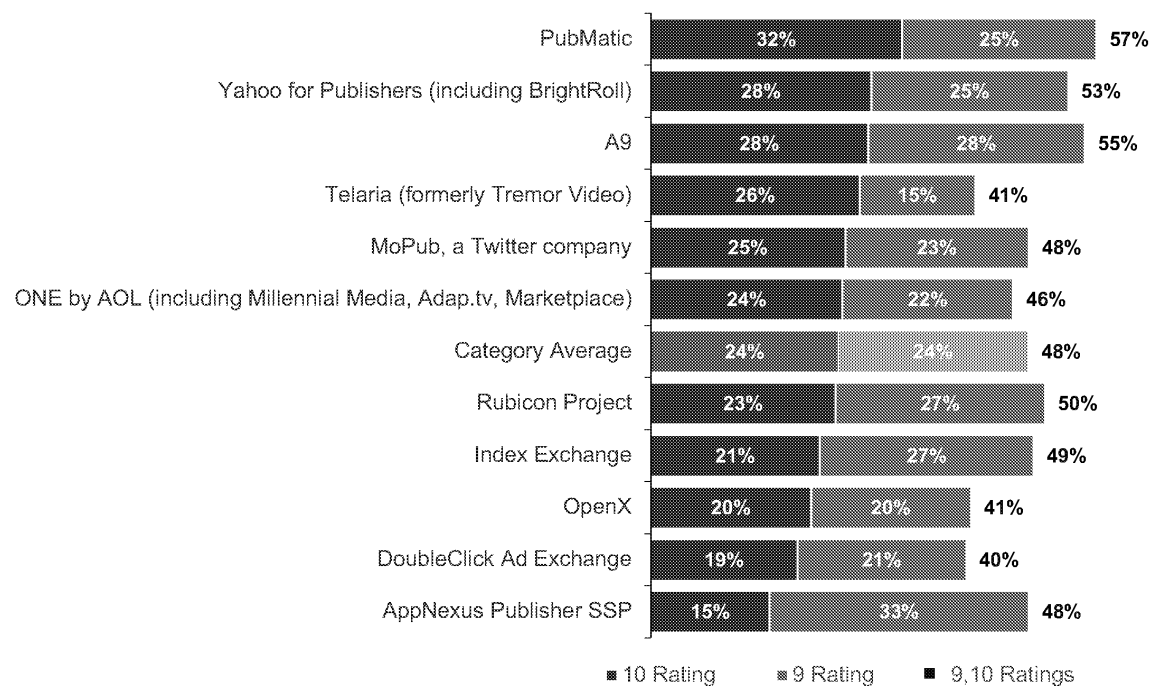
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Business and market criteria: effective and engaging formats

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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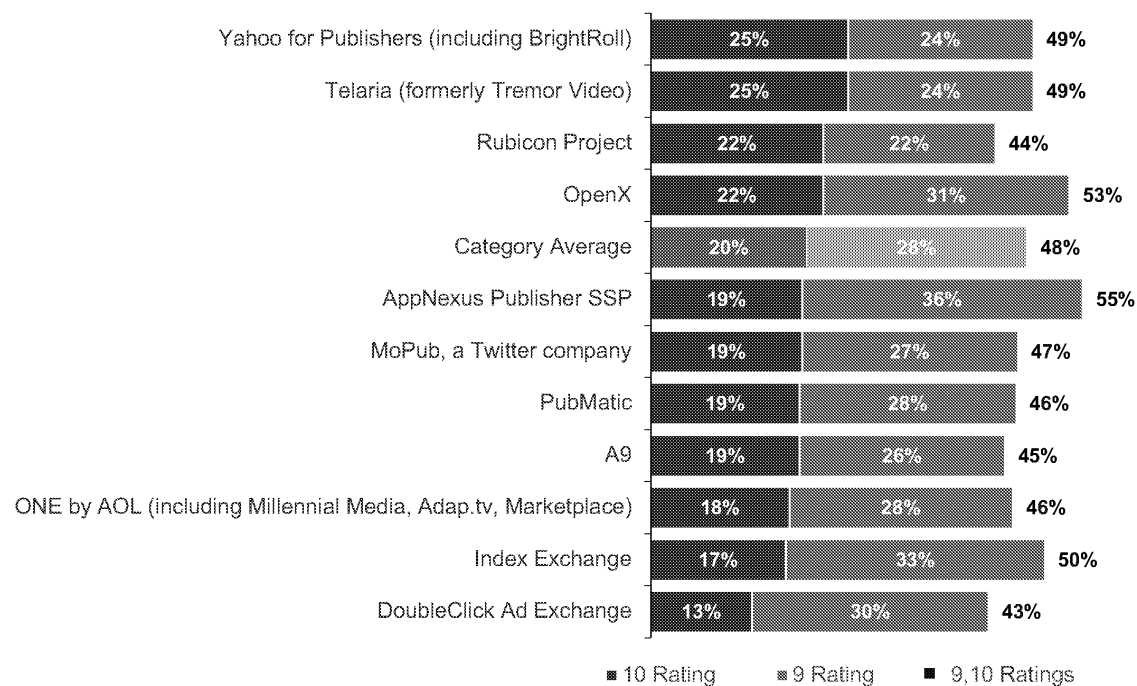
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Business and market criteria: allowing for sub-syndication

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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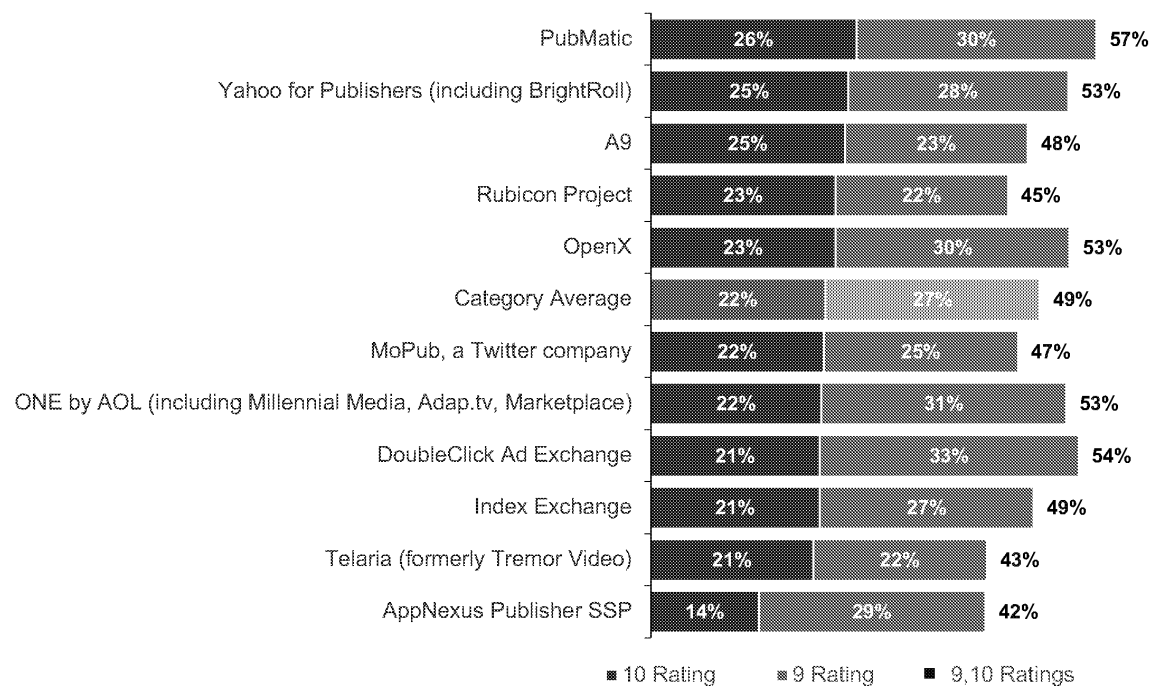
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Business and market criteria: clear and compelling technology roadmap

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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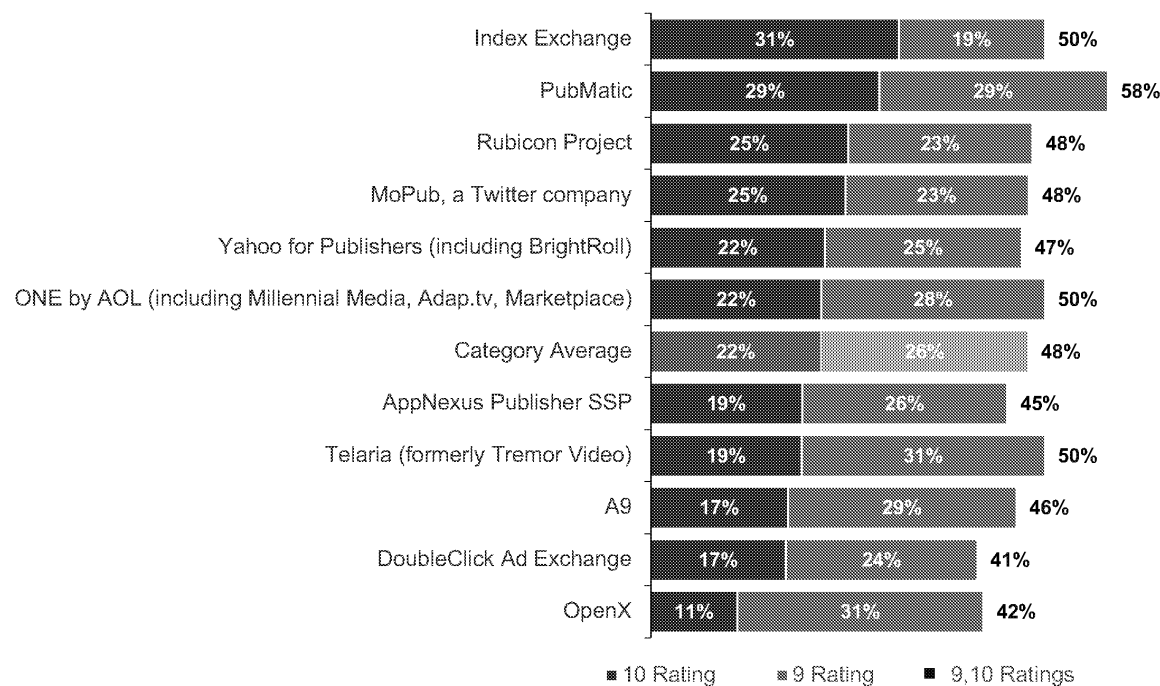
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Business and market criteria: open exchange capabilities

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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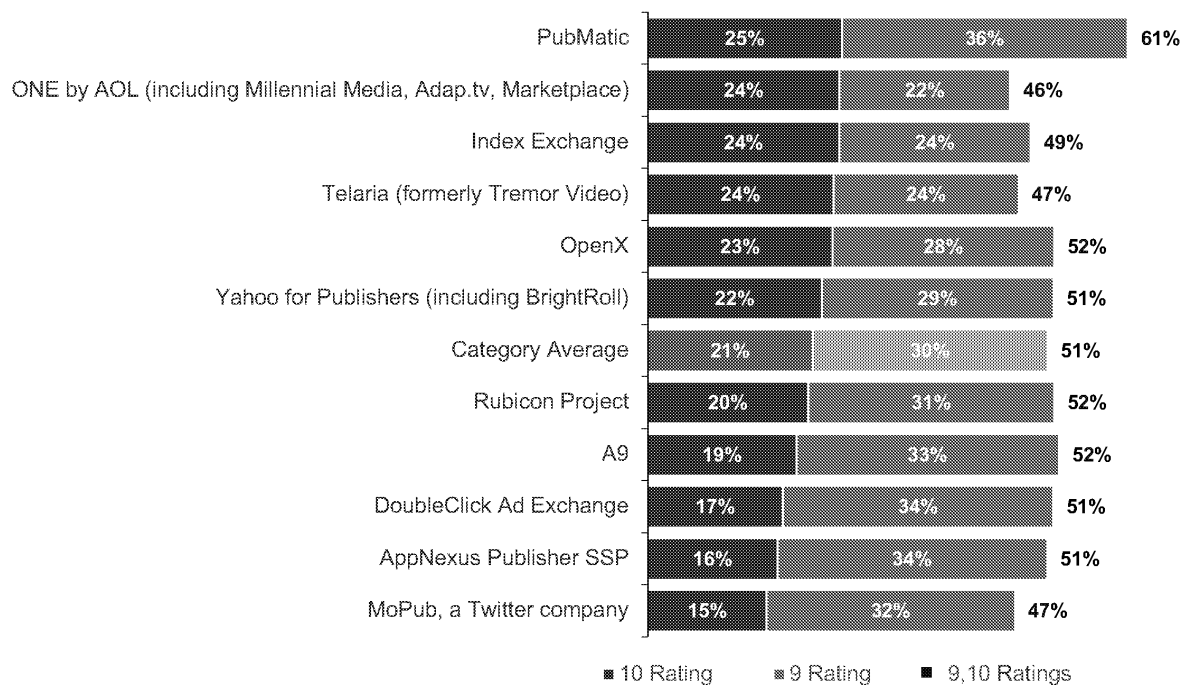
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Business and market criteria: fee transparency

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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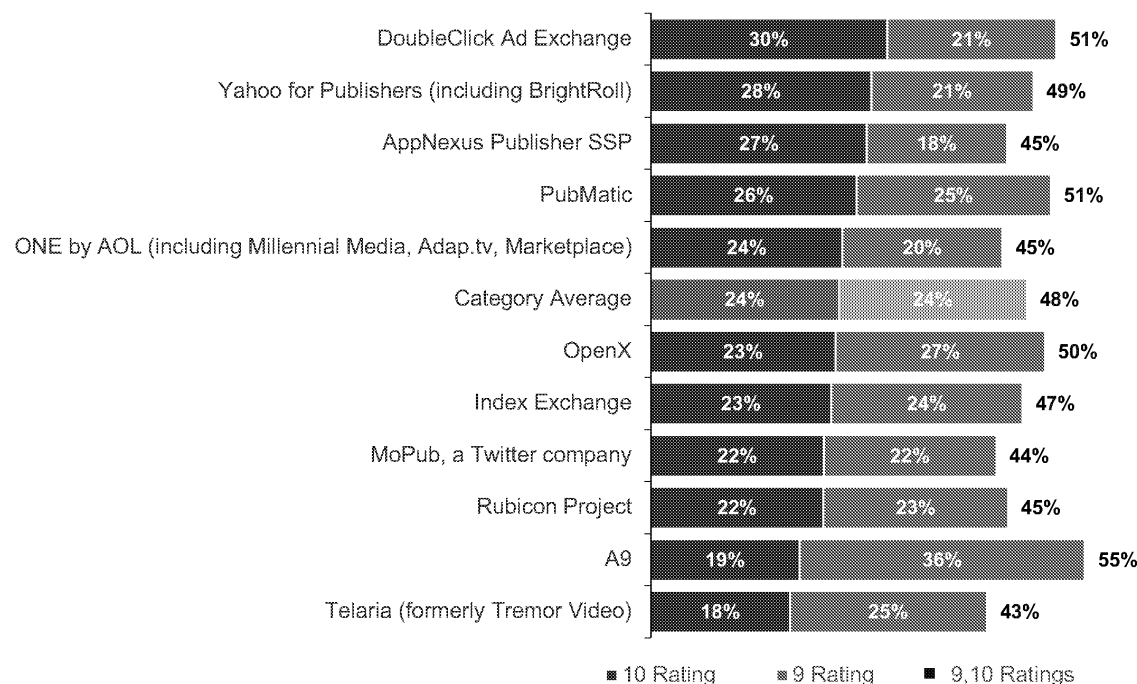
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Business and market criteria: positive momentum for brand in the market

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following business and market criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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Brand ratings: technology criteria

Index of Percent Rating SSPs 10 on a 10-Point Scale

Easy to sell and book via platform		Appropriate brand safety controls		Ability to deliver native, video and mobile formats that integrate with our site's look and feel		Visibility into accurate, available inventory		Viewability of ads		Supported inventory formats		Data available in the platform		Resources/tools for overseeing ad quality	
A9	131	Rubicon Project	128	Rubicon Project	142	PubMatic	141	ONE by AOL	119	PubMatic	129	A9	120	Yahoo for Publishers	117
Yahoo for Publishers	127	PubMatic	126	PubMatic	111	Rubicon Project	138	PubMatic	109	Rubicon Project	125	PubMatic	114	A9	110
PubMatic	112	ONE by AOL	111	A9	111	Yahoo for Publishers	110	DoubleClick Ad Exchange	107	ONE by AOL	120	OpenX	109	PubMatic	110
Telaria	108	Telaria	105	OpenX	105	DoubleClick Ad Exchange	101	Telaria	104	A9	116	AppNexus Publisher SSP	107	Index Exchange	108
DoubleClick Ad Exchange	104	MoPub	105	ONE by AOL	104	AppNexus Publisher SSP	97	Rubicon Project	103	Yahoo for Publishers	111	Telaria	102	Rubicon Project	105
ONE by AOL	99	DoubleClick Ad Exchange	102	Index Exchange	96	A9	96	AppNexus Publisher SSP	103	Index Exchange	102	ONE by AOL	100	Telaria	99
Index Exchange	98	AppNexus Publisher SSP	91	DoubleClick Ad Exchange	96	OpenX	90	Index Exchange	101	MoPub	91	Yahoo for Publishers	96	MoPub	98
OpenX	87	A9	89	Yahoo for Publishers	92	Index Exchange	88	A9	96	DoubleClick Ad Exchange	89	Index Exchange	93	ONE by AOL	97
Rubicon Project	81	Index Exchange	88	Telaria	92	Telaria	84	Yahoo for Publishers	91	OpenX	77	Rubicon Project	88	OpenX	92
AppNexus Publisher SSP	77	OpenX	80	AppNexus Publisher SSP	79	MoPub	79	MoPub	85	Telaria	72	DoubleClick Ad Exchange	87	AppNexus Publisher SSP	86
MoPub	77	Yahoo for Publishers	75	MoPub	72	ONE by AOL	77	OpenX	83	AppNexus Publisher SSP	67	MoPub	83	DoubleClick Ad Exchange	78

Q: How would you rate this Supply-Side Platform (SSP) on the following technology criteria?

Base: Considering Supply Side Platforms (Variable Base)

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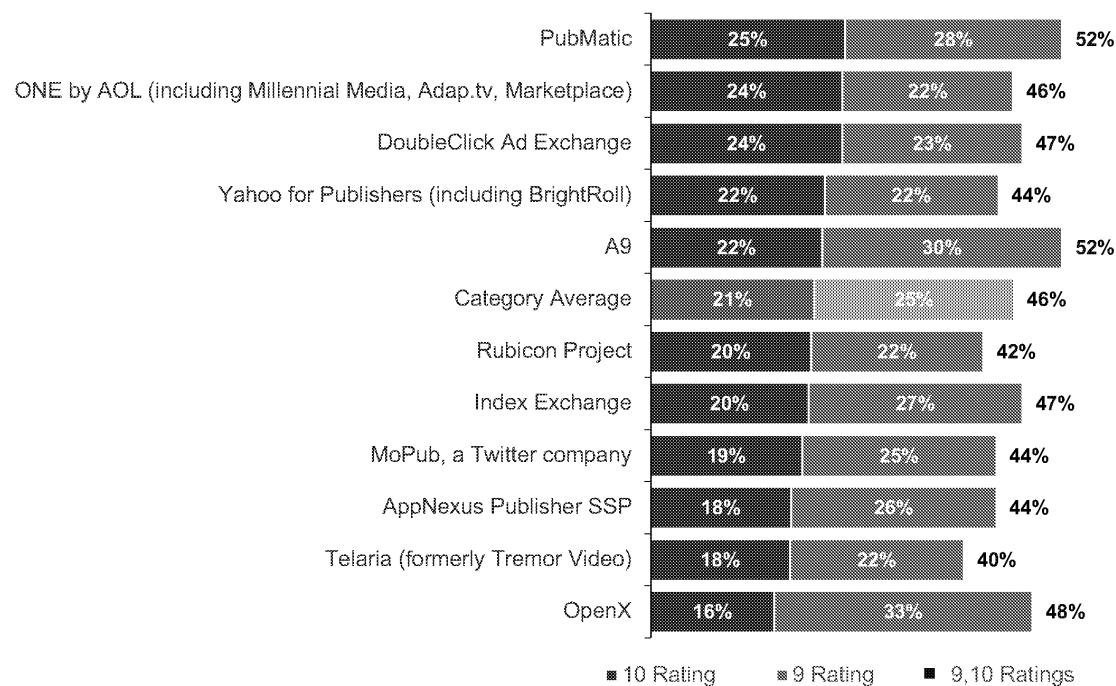
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Technology criteria: third-party integrations

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following technology criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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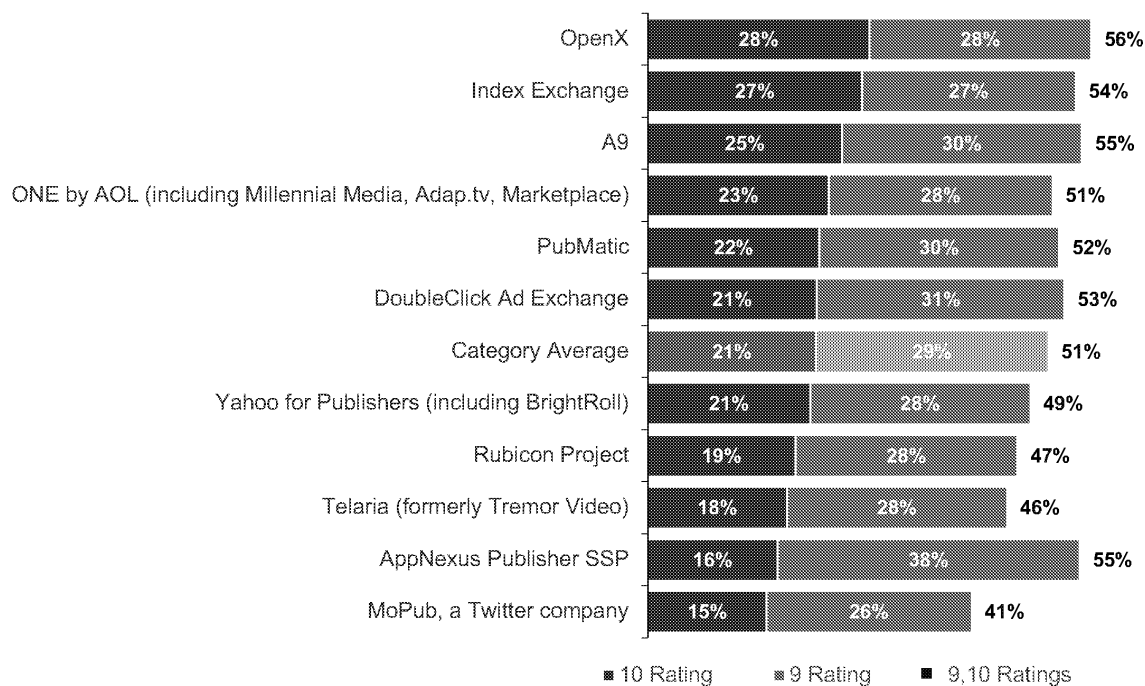
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Technology criteria: auditing tools for control over ad placement

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following technology criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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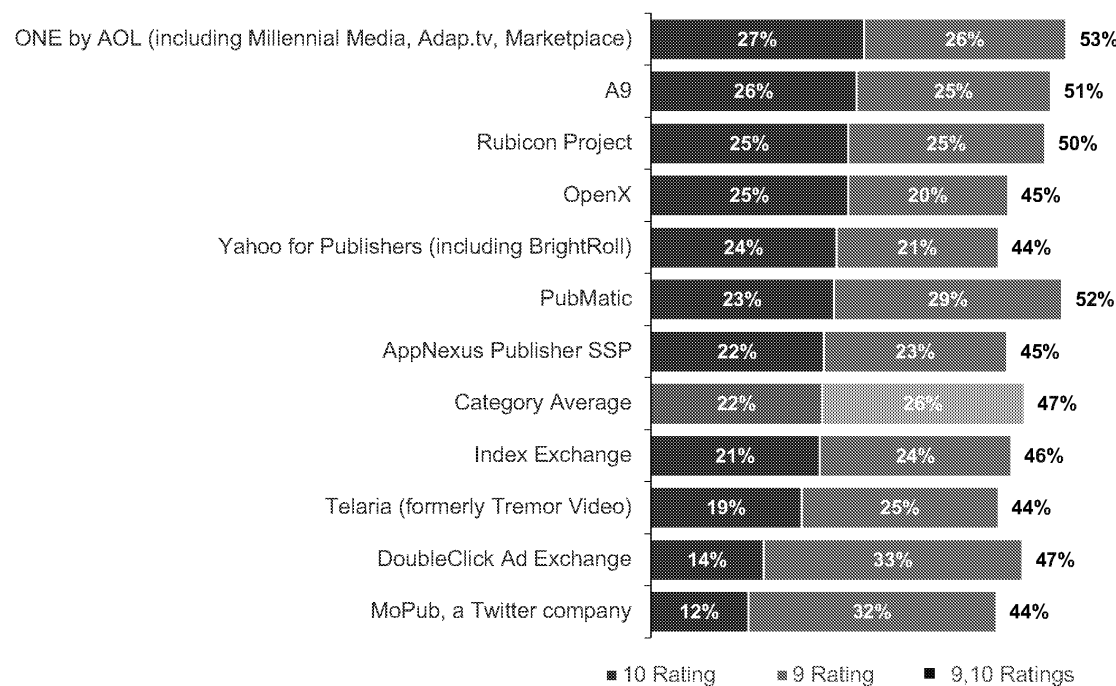
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Technology criteria: bad ads protection

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following technology criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)

Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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Brand ratings: measurement and analytics criteria

Index of Percent Rating SSPs 10 on a 10-Point Scale

ROI measurement/optimization across devices	
Rubicon Project	146
ONE by AOL	145
Yahoo for Publishers	118
MoPub	98
PubMatic	97
Index Exchange	96
DoubleClick Ad Exchange	96
A9	90
Telaria	79
AppNexus Publisher SSP	73
OpenX	63

Q: How would you rate this Supply-Side Platform (SSP) on the following measurement and analytics criteria?
Base: Considering Supply Side Platforms (Variable Base)

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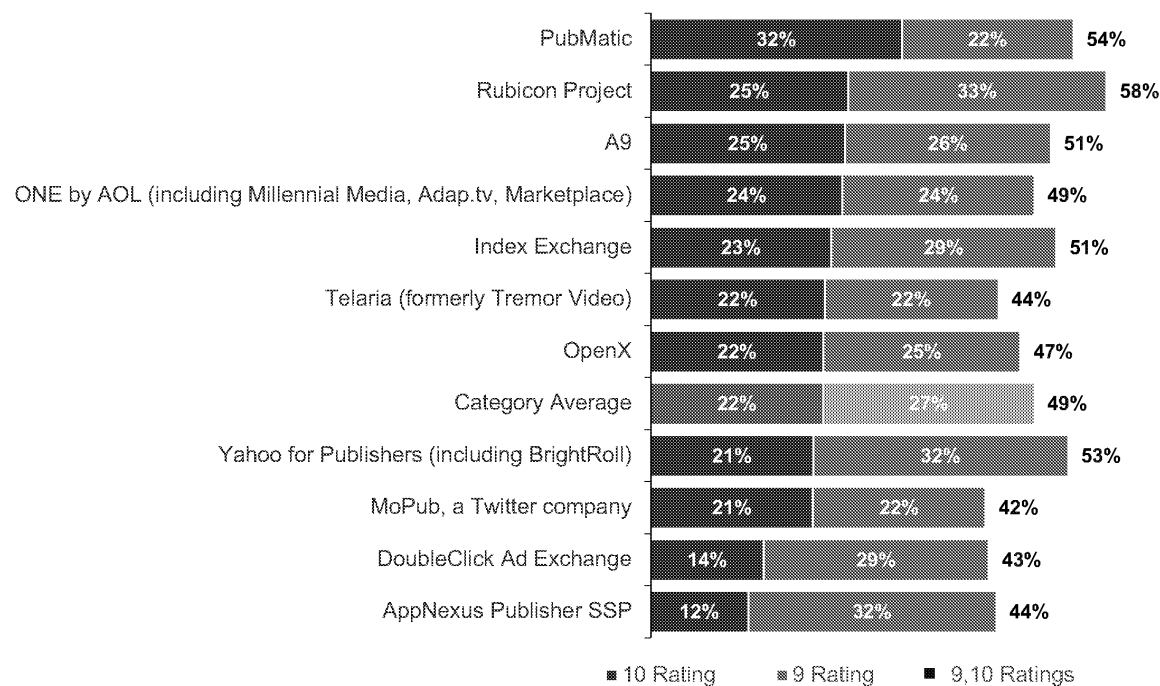
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Measurement and analytics criteria: measure creative performance across devices

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following measurement and analytics criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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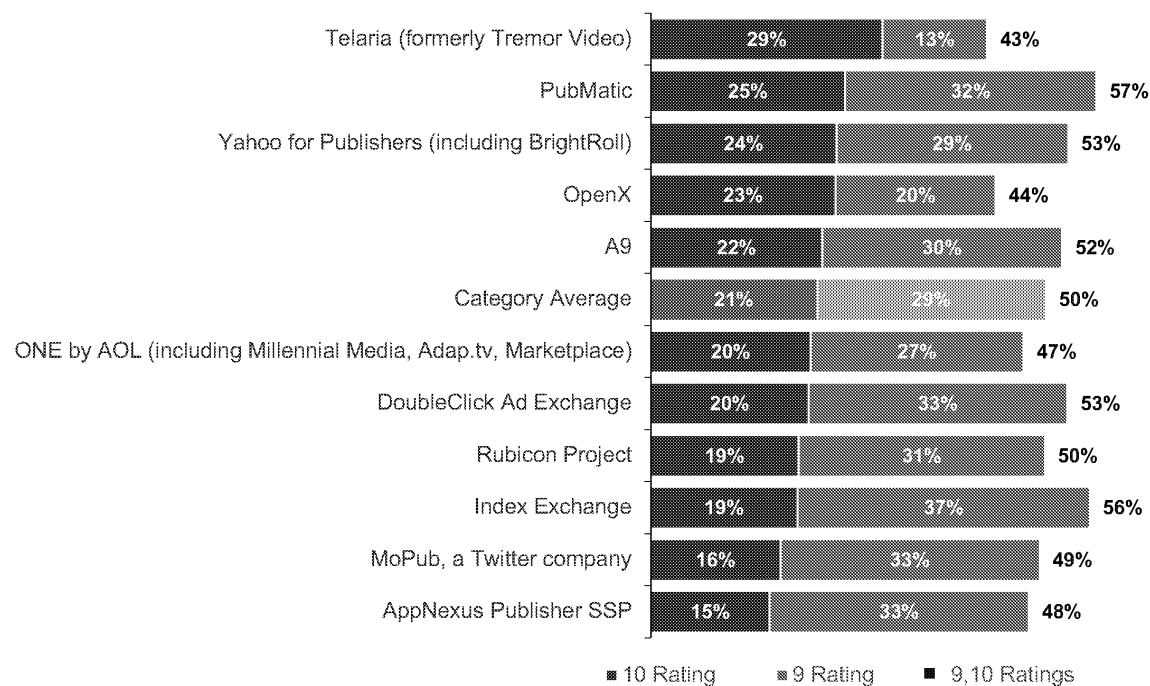
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Measurement and analytics criteria: availability of reporting

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following measurement and analytics criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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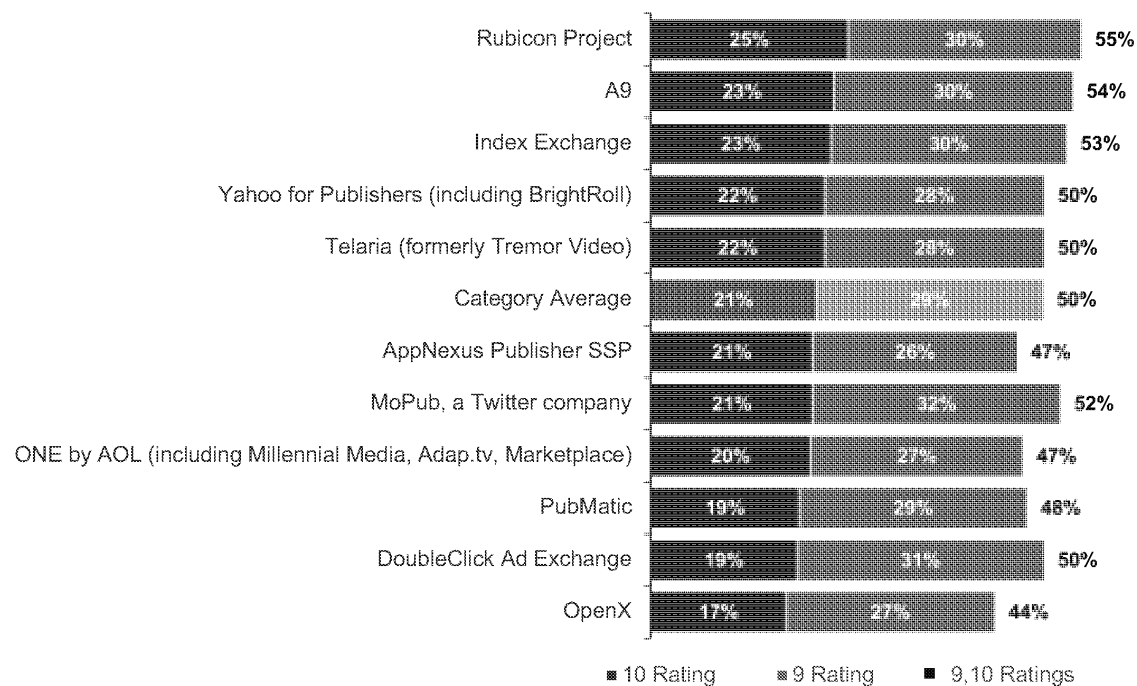
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Measurement and analytics criteria: analytics providing key metric performance

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following measurement and analytics criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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Brand ratings: service and support criteria

Index of Percent Rating SSPs 10 on a 10-Point Scale

Effective tech support		Make it easy for us to find the solutions or answers we need	
Telaria	135	Rubicon Project	143
Yahoo for Publishers	128	Index Exchange	125
A9	126	Telaria	122
PubMatic	119	A9	120
Index Exchange	110	AppNexus Publisher SSP	102
ONE by AOL	97	DoubleClick Ad Exchange	94
Rubicon Project	88	ONE by AOL	89
MoPub	84	MoPub	78
AppNexus Publisher SSP	77	Yahoo for Publishers	77
DoubleClick Ad Exchange	73	PubMatic	76
OpenX	64	OpenX	75

Q: How would you rate this Supply-Side Platform (SSP) on the following service and support criteria?
Base: Considering Supply Side Platforms (Variable Base)

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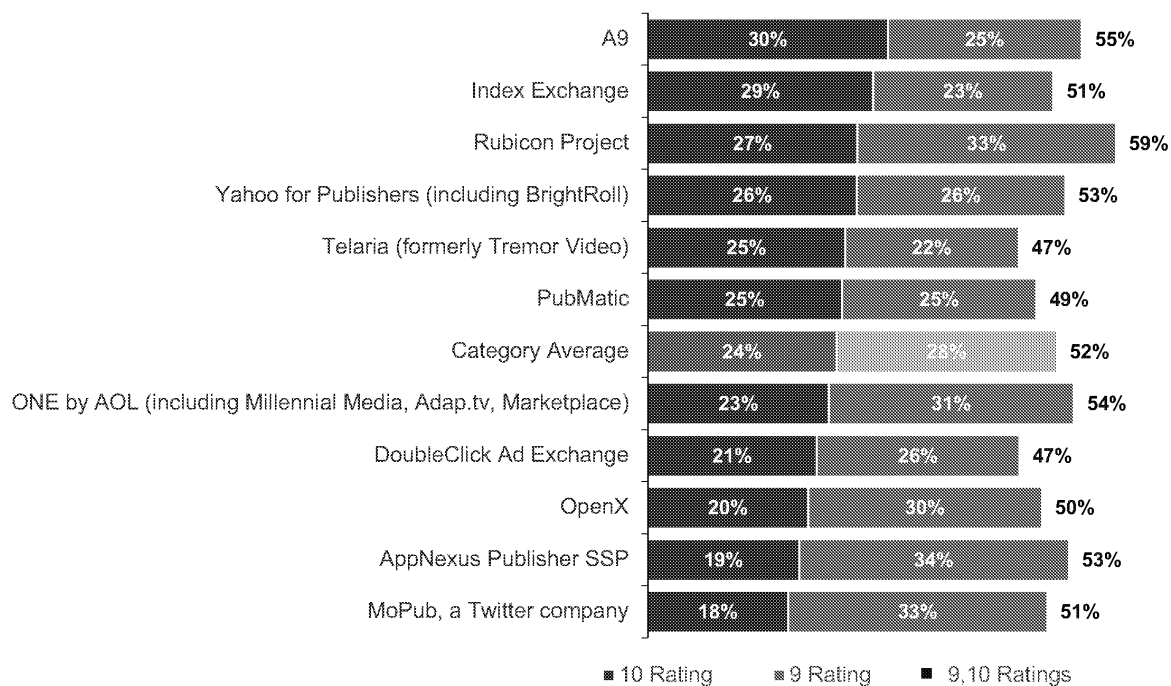
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Service and support criteria: proactively share ideas and expertise for success

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following service and support criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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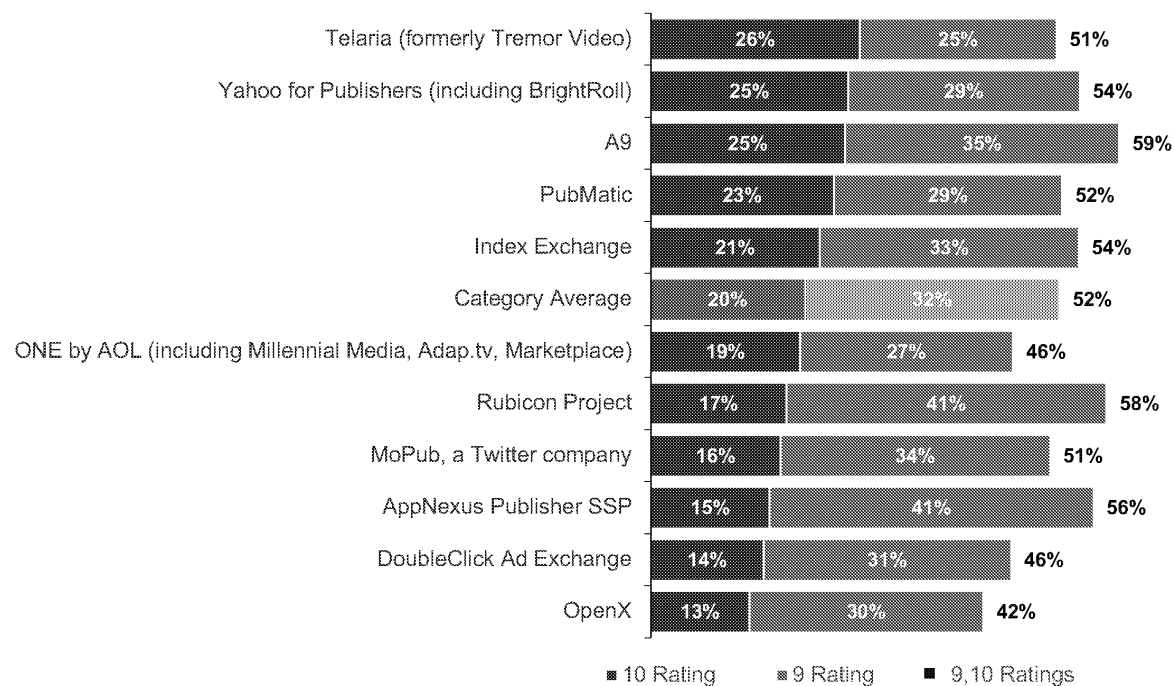
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Service and support criteria: effective tech support

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following service and support criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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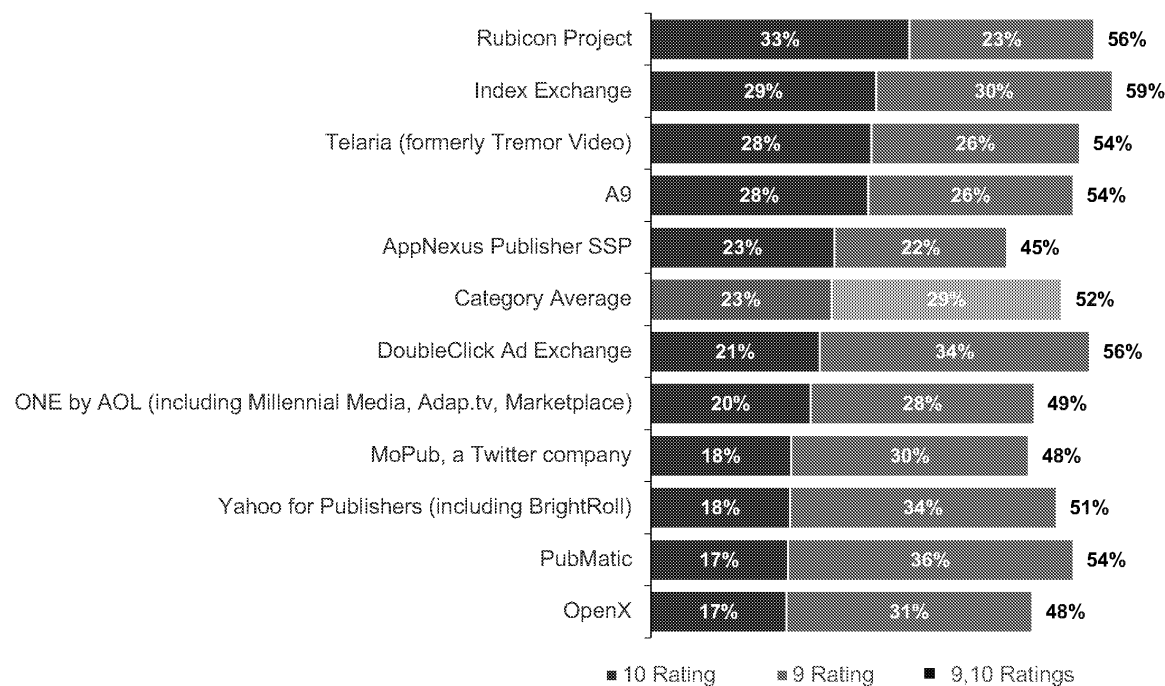
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Service and support criteria: make it easy for us to find solutions/answers we need

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following service and support criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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Brand ratings: sales relationship criteria

Index of Percent Rating SSPs 10 on a 10-Point Scale

Is easy to work with	
PubMatic	146
A9	118
ONE by AOL	115
DoubleClick Ad Exchange	111
Rubicon Project	103
Telaria	103
Index Exchange	94
AppNexus Publisher SSP	90
MoPub	74
Yahoo for Publishers	74
OpenX	73

Sales skills (listening, attentiveness, negotiating, etc.)	
Yahoo for Publishers	125
Rubicon Project	113
AppNexus Publisher SSP	105
PubMatic	105
Telaria	100
OpenX	100
ONE by AOL	98
DoubleClick Ad Exchange	97
Index Exchange	91
MoPub	87
A9	80

Demonstrates knowledge of publisher goals, needs	
PubMatic	137
Telaria	113
MoPub	111
Index Exchange	110
Rubicon Project	106
A9	98
ONE by AOL	91
AppNexus Publisher SSP	86
OpenX	85
DoubleClick Ad Exchange	84
Yahoo for Publishers	80

Q: How would you rate this Supply-Side Platform (SSP) on the following sales relationship criteria?
Base: Considering Supply Side Platforms (Variable Base)

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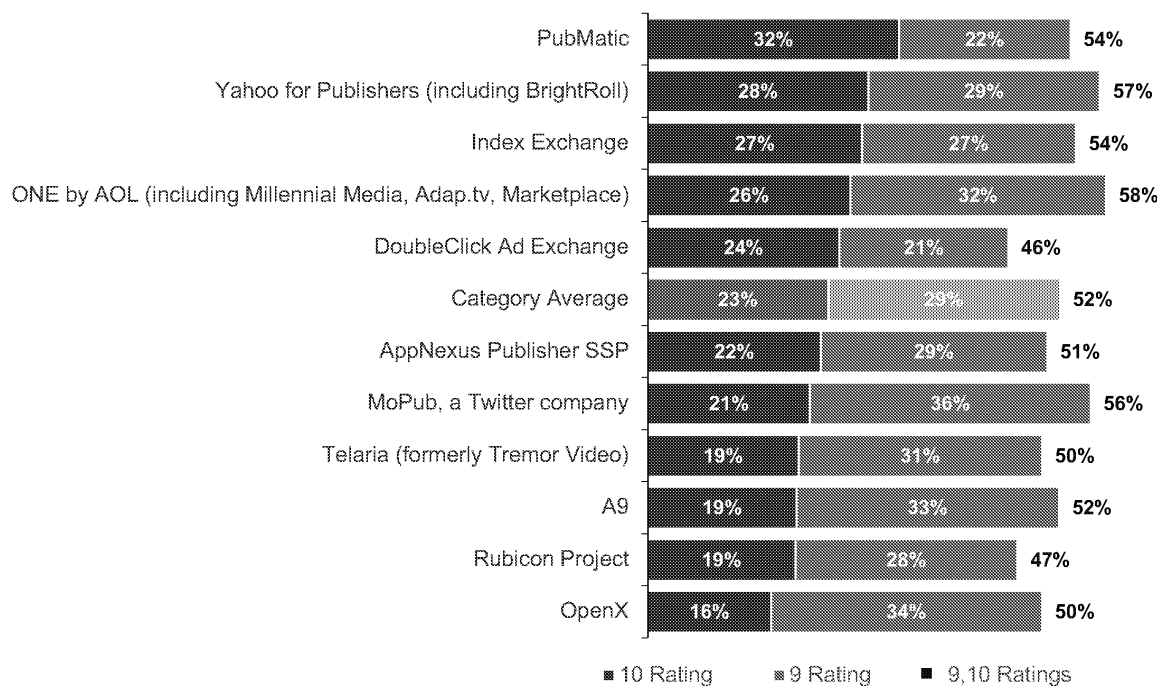
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Sales relationship criteria: technology expertise

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following sales relationship criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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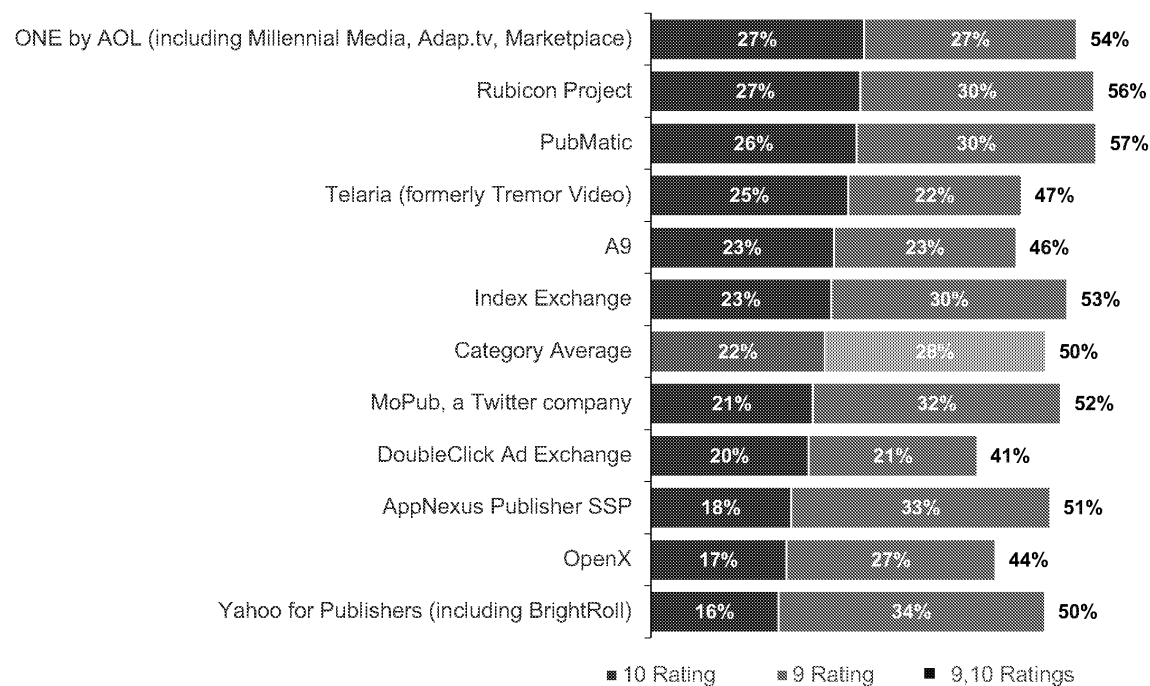
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Sales relationship criteria: responsive to client needs

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following sales relationship criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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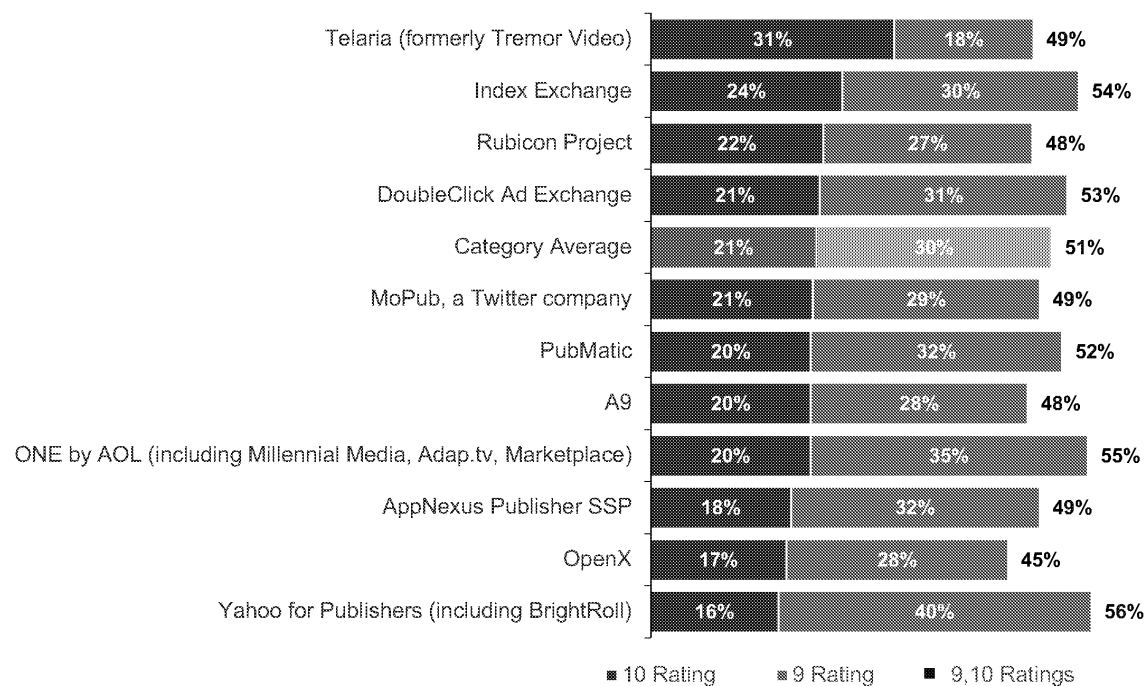
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Sales relationship criteria: understanding of client goals, needs

Percent Rating Media Brands 9-10 on a 10-Point Scale (Sorted by 10 Ratings)



Q: How would you rate this Supply-Side Platform (SSP) on the following sales relationship criteria? (1 to 3 = Not Very Impressed with Brand; 4 to 7 = Moderately Impressed with Brand; 8 to 10 = Highly Impressed with Brand)
Base: Considering Supply-Side Platform in the Coming Year (Variable Base)

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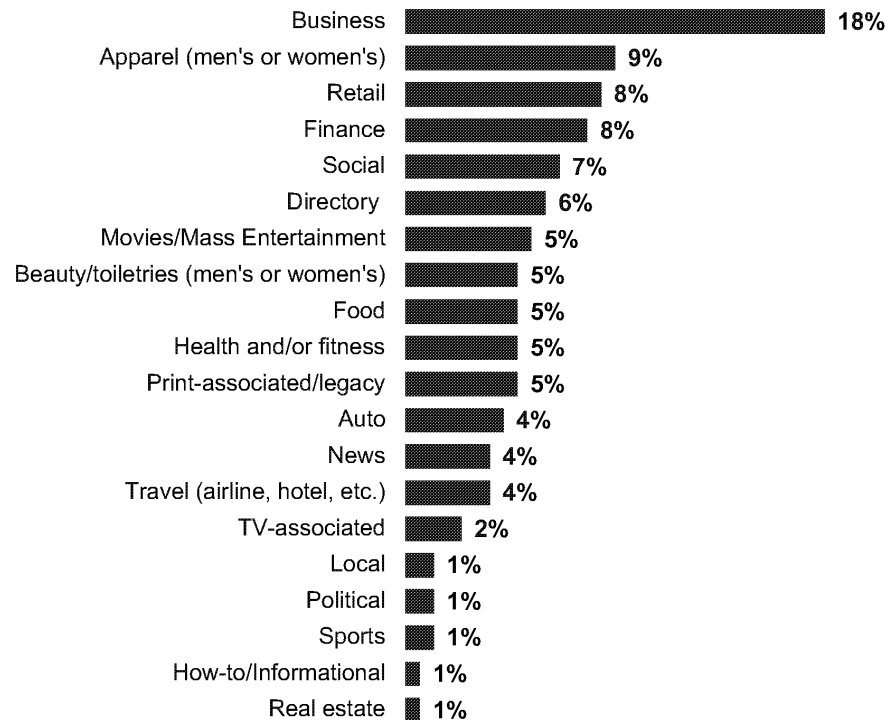
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Type of site most involved in selling ad space



Q: Which type of site are you most involved in for selling ad space?
Base: Total Digital Publisher Respondents

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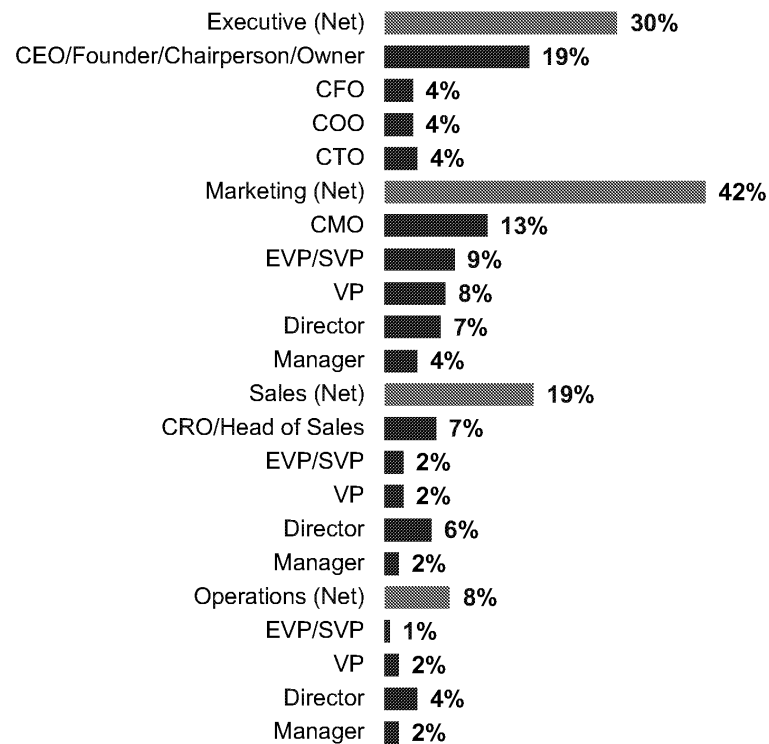
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Job title



Q: What is your job title?
Base: Total Digital Publisher Respondents

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